

#WWDC19

# Supporting Dark Mode in Web Content

Timothy Hatcher, WebKit Engineer



🍏 Safari File Edit View History Bookmarks Develop Window Help




MacBook Pro



BEHIND THE SCENES

### In the Mix


How DJay helped Emman Twe keep his musical dreams alive.



OUR FAVORITES

### Apps for Accessibility

Express yourself. Everyone's welcome.



Timothy Hatcher

### Apps and Games We Love Right Now

Spark - Email App by Readdle

```
5245 WKUserScript.h
5246 WKUserScript.mm
5247 WKUserScriptInternal.h
5248 WKUserScriptPrivate.h
5249 WKWebpagePreferences.h
5250 WKWebpagePreferences.mm
5251 WKWebpagePreferencesInternal.h
5252 WKWebpagePreferencesPrivate.h
5253 WKWebsiteDataRecord.h
5254 WKWebsiteDataRecord.mm
5255 WKWebsiteDataRecordInternal.h
5256 WKWebsiteDataRecordPrivate.h
5257 WKWebsiteDataStore.h
5258 WKWebsiteDataStore.mm
5259 WKWebsiteDataStoreInternal.h
5260 WKWebsiteDataStorePrivate.h
5261 WKWebView.h
5262 WKWebView.mm
5263 WKWebViewConfiguration.h
5264 WKWebViewConfiguration.mm
5265 WKWebViewConfigurationInternal.h
5266 WKWebViewConfigurationPrivate.h
5267 WKWebViewInternal.h
5268 WKWebViewPrivate.h
5269 WKWindowFeatures.h
5270 WKWindowFeatures.mm
5271 WKWindowFeaturesInternal.h
5272 WKWindowFeaturesPrivate.h
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```

```
5245
5246 _page->getWebArchiveOfFrame(_page->mainFrame()), [handler](API::Data* data, WebKit::CallbackBase::Error error) {
5247     void (^completionHandlerBlock)(NSData *, NSError *) = (void (^)(NSData *, NSError *))handler.get();
5248     if (error != WebKit::CallbackBase::Error::None) {
5249         // FIXME: Pipe a proper error in from the WebPageProxy.
5250         completionHandlerBlock(nil, [NSError errorWithDomain:WKErrorDomain code:static_cast<int>(error) userInfo:nil]);
5251     } else {
5252         completionHandlerBlock(wrapper{*data}, nil);
5253     }
5254 }
5255
5256 -(void)_getContentsAsStringWithCompletionHandler:(void (^)(NSString *, NSError *))completionHandler
5257 {
5258     auto handler = makeBlockPtr(completionHandler);
5259     _page->getContentsAsString([handler](String string, WebKit::CallbackBase::Error error) {
5260         if (error != WebKit::CallbackBase::Error::None) {
5261             // FIXME: Pipe a proper error in from the WebPageProxy.
5262             handler(nil, [NSError errorWithDomain:WKErrorDomain code:static_cast<int>(error) userInfo:nil]);
5263         } else {
5264             handler(string, nil);
5265         }
5266     });
5267 }
5268
5269 -(void)_getContentsAsAttributedStringWithCompletionHandler:(void (^)(NSAttributedString *, NSDictionary<NSAttributedStringDoc
5270 {
5271     _page->getContentsAsAttributedString([handler = makeBlockPtr(completionHandler)](auto& attributedString) {
5272         if (attributedString.string)
5273             handler([[attributedString.string.get() retain] autorelease], [[attributedString.documentAttributes.get() retain]
5274         } else {
5275             handler(nil, nil, createNSError(WKErrorUnknown).get());
5276         }
5277     });
5278 }
5279
5280 -(void)_getApplicationManifestWithCompletionHandler:(void (^)(WKApplicationManifest *))completionHandler
5281 {
5282     #if ENABLE(APPLICATION_MANIFEST)
5283     _page->getApplicationManifest([completionHandler = makeBlockPtr(completionHandler)](const Optional<WebCore::ApplicationMan
5284     UNUSED_PARAM(error);
5285     if (completionHandler) {
5286         if (manifest) {
5287             auto apiManifest = API::ApplicationManifest::create(*manifest);
5288             completionHandler(wrapper(apiManifest));
5289         } else {
5290             completionHandler(nil);
5291         }
5292     }
5293 }
5294 #else
5295 if (completionHandler)
5296     completionHandler(nil);
5297 #endif
```











9:41



AA

nshipster.com



**NSHipster** is a journal of the overlooked bits in Objective-C, Swift, and Cocoa. Updated weekly.

*This Week...*

## Swift Code Formatters

Lately, the Swift community has been buzzing about the latest pitch to adopt an official style guide and formatting tool for the language. Let's take a look at where we're at today, how the proposed `swift-format` tool stacks up, and what we might expect in the future.

*Continue Reading*





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Dark Mode in web content

Dark Mode in email messages

Tools to debug Dark Mode



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# EXAMPLE BLOG

Tempus iaculis urna id lacus.

ABOUT

CONTACT

## RECENT POSTS

### Tanta vis Admoionis Inest in Locis

Lobortis

Turpis

Fermentum dui faucibus in ornare. Tempus iaculis urna id volutpat lacus. Senectus et netus et malesuada fames ac. At varius vel pharetra.



Mojave Desert

### Illa Tamen Simplicia.





NEW

```
:root {  
    color-scheme: light dark;  
}
```



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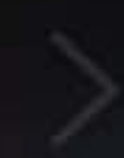
Lobortis

Turpis



Mojave Desert

Illa Tamen Simplicia.





```
body {  
    color: black;  
}
```

```
h1 {  
    color: #333;  
}
```

```
.header {  
    background-color: #593a78;  
    color: white;  
}
```



```
body {  
    color: black;  
}
```

```
h1 {  
    color: #333;  
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```

```
.header {  
    background-color: #593a78;  
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h1 {  
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```

```
.header {  
  background-color: #593a78;  
  color: white;  
}
```





```
:root {  
  color-scheme: light dark;  
  --post-title-color: #333;  
  --header-bg-color: #593a78;  
  --header-txt-color: white;  
}
```





```
:root {  
  color-scheme: light dark;  
  --post-title-color: #333;  
  --header-bg-color: #593a78;  
  --header-txt-color: white;  
}
```



```
h1 {  
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```
.header {  
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```
h1 {  
  color: #333;  
}
```

```
.header {  
  background-color: #593a78;  
  color: white;  
}
```





```
h1 {  
  color: var(--post-title-color);  
}  
  
.header {  
  background-color: var(--header-bg-color);  
  color: var(--header-txt-color);  
}
```



```
color-scheme: light dark;  
--post-title-color: #333;  
--header-bg-color: #593a78;  
--header-txt-color: white;  
}
```

NEW

```
@media (prefers-color-scheme: dark) {  
    // ...  
}
```



```
color-scheme: light dark;
--post-title-color: #333;
--header-bg-color: #593a78;
--header-txt-color: white;
}
```

NEW

```
@media (prefers-color-scheme: dark) {
    // ...
}
```



```
--post-title-color: #555,  
--header-bg-color: #593a78;  
--header-txt-color: white;  
}
```

NEW

```
@media (prefers-color-scheme: dark) {
```

```
}
```



```
--post-title-color: #555,  
--header-bg-color: #593a78;  
--header-txt-color: white;  
}  
  
@media (prefers-color-scheme: dark) {  
  :root {  
    --post-title-color: white;  
    --header-bg-color: #513d66;  
    --header-txt-color: #eee;  
  }  
}
```



```
    --post-title-color: #555,  
    --header-bg-color: #593a78;  
    --header-txt-color: white;  
  }  
  
  @media (prefers-color-scheme: dark) {  
    :root {  
      --post-title-color: white;  
      --header-bg-color: #513d66;  
      --header-txt-color: #eee;  
    }  
  }  
}
```

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Mojave Desert

Illa Tamen Simplicia.





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Mojave Desert

## Illā Tamen Simplicia.



```

```





```
<picture>  
  <source srcset="mojave-night.jpg"  
media="(prefers-color-scheme: dark)">  
    
</picture>
```



```
<picture>  
  <source srcset="mojave-night.jpg"  
media="(prefers-color-scheme: dark)">  
    
</picture>
```



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Mojave Desert

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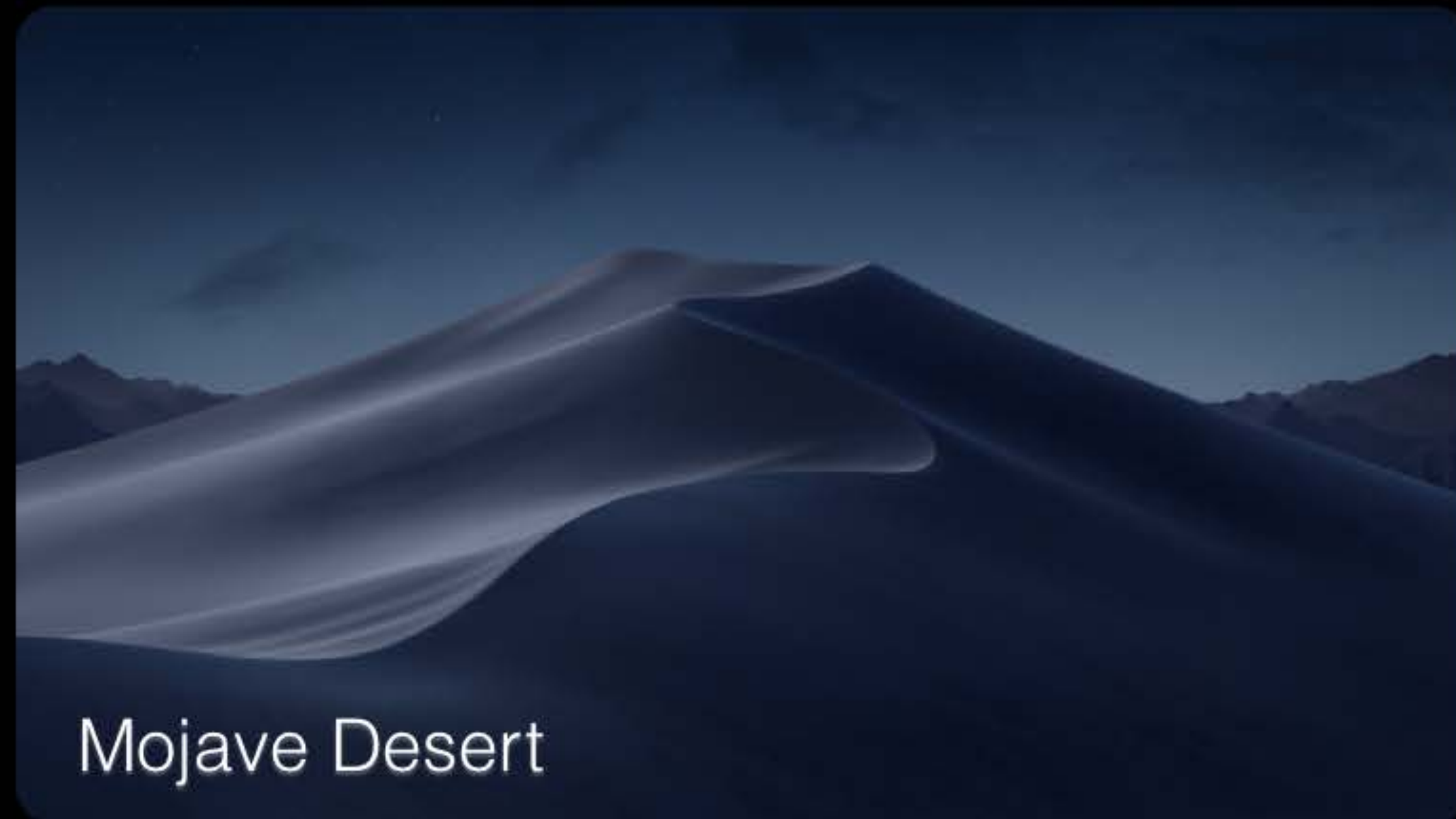
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Mojave Desert

### Illa Tamen Simplicia.



# Dark Mode in Web Content

Use `color-scheme` to declare support



# Dark Mode in Web Content

Use `color-scheme` to declare support

Adopt `prefers-color-scheme` media query

# Dark Mode in Web Content

Use `color-scheme` to declare support

Adopt `prefers-color-scheme` media query

Use `<picture>` for hero graphics



# Dark Mode in Web Content

Use `color-scheme` to declare support

Adopt `prefers-color-scheme` media query

Use `<picture>` for hero graphics

Consider using `var()` for color schemes

Dark Mode in web content

Dark Mode in email messages

Tools to debug Dark Mode



Dark Mode in web content

Dark Mode in email messages

Tools to debug Dark Mode

9:41



< Inbox



**Timothy Hatcher**

To: Timothy Hatcher >

**Simple Email**

Today at 9:27 AM

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Post enim Chrysippum eum non sane est disputatum. Piso, familiaris noster, et alia multa et hoc loco Stoicos irridebat: Quid enim? Quamquam id quidem, infinitum est in hac urbe; [illi enim inter se dissentiunt](#). Illud dico, ea, quae dicat, praeclare inter se cohaerere. Scrupulum, inquam, abeunti; Est igitur officium eius generis, quod nec in bonis ponatur nec in contrariis. Duo Reges: constructio interrete. **Cum audissem Antiochum, Brute, ut solebam, cum M.** Satis est ad hoc responsum.





9:41



< Inbox



**Timothy Hatcher**  
To: Timothy Hatcher >

**Simple Email**

Today at 9:27 AM

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Post enim Chrysippum eum non sane est disputatum. Piso, familiaris noster, et alia multa et hoc loco Stoicos irridebat: Quid enim? Quamquam id quidem, infinitum est in hac urbe; [Illi enim inter se dissentiunt.](#) Illud dico, ea, quae dicat, praeclare inter se cohaerere. Scrupulum, inquam, abeunti; Est igitur officium eius generis, quod nec in bonis ponatur nec in contrariis. Duo Reges: constructio interrete. **Cum audissem Antiochum, Brute, ut solebam, cum M.** Satis est ad hoc responsum.





9:41



< Inbox



**Timothy Hatcher**  
To: Timothy Hatcher >

**Example Email**  
Today at 9:27 AM

## EXAMPLE EMAIL

Tempus iaculis urna id lacus.

### Tanta vis Admoionis Inest in Locis

Fermentum dui faucibus in ornare. Tempus iaculis urna id volutpat lacus. Senectus et netus et malesuada fames ac. At varius vel pharetra. Efficiens dici potest. Duo Reges: constructio.



Mojave Desert





9:41



< Inbox



**Timothy Hatcher**  
To: Timothy Hatcher >

**Example Email**  
Today at 9:27 AM

## EXAMPLE EMAIL

Tempus iaculis urna id lacus.

## Tanta vis Admoionis Inest in Locis

Fermentum dui faucibus in ornare. Tempus iaculis urna id volutpat lacus. Senectus et netus et malesuada fames ac. At varius vel pharetra. Efficiens dici potest. Duo Reges: constructio.



Mojave Desert



# Dark Mode in Email Messages

Simple messages will auto-darken



# Dark Mode in Email Messages

Simple messages will auto-darken

Rich messages with remote images use light color scheme

# Dark Mode in Email Messages

Simple messages will auto-darken

Rich messages with remote images use light color scheme

Use `color-scheme` and `prefers-color-scheme` for customization



Dark Mode in web content

Dark Mode in email messages

Tools to debug Dark Mode

Dark Mode in web content

Dark Mode in email messages

Tools to debug Dark Mode



Web Inspector — webkit.org — status

9 222.5 KB 247ms 1 0 0

Elements Network Debugger Resources Timelines Storage Canvas Console

html

```
<!DOCTYPE html>
<html> = $0
  <head>...</head>
  <body class="page-template page-template-status page-template-status-php page page-id-4163">
    <!--?xml version="1.0" encoding="utf-8"?-->
    <!-- Copyright © 2018 Apple Inc. All rights reserved. -->
    <svg xmlns="http://www.w3.org/2000/svg">...</svg>
    <header aria-label="WebKit.org Header" id="header">...</header>
    <main id="content">
      <div class="page-width">
        <script>...</script>
        <style>...</style>
        <div class="page feature-status-page" id="post-4163">
          <div class="connected pagination">...</div>
          <h1>...</h1>
          <section class="feature-filters">...</section>
          <section id="feature-list">
            <div class="feature-count">...</div>
            <ul class="features" id="features-container">
              <li class="feature" id="specification-application-cache">
                <div class="feature-container status-marker deprecated">
                  <div class="feature-header">
                    <h3>...</h3>
                    <div class="feature-status deprecated">...</div>
                    ::after
                  </div>
                  <div class="feature-details">...</div>
                </div>
              </li>
              <li class="feature" id="feature-array.prototype.copywithin">...</li>
              <li class="feature" id="feature-array.prototype.includes">...</li>
              <li class="feature" id="feature-arrow-functions">...</li>
              <li class="feature" id="feature-async-iteration">...</li>
              <li class="feature" id="feature-async/await">...</li>
              <li class="feature" id="specification-battery-status-api">...</li>
              <li class="feature" id="specification-beacon-api">...</li>
              <li class="feature" id="feature-block-scoping">...</li>
              <li class="feature" id="feature-case-insensitive-attribute-selectors">...</li>
              <li class="feature" id="feature-classes">...</li>
              <li class="feature" id="feature-conic-gradients">...</li>
              <li class="feature" id="specification-content-security-policy-level-2">...</li>
              <li class="feature" id="specification-content-security-policy-level-3">...</li>
              <li class="feature" id="specification-css-animation-worklet-api">...</li>
            </ul>
          </section>
        </div>
      </div>
    </main>
  </body>
</html>
```

Style Attribute {

@media (prefers-color-scheme: dark) status:142

```
:root {
  --feature-rule-color: hsl(0, 0%, 20%);
  --status-color: hsl(0, 0%, 51%);
  --supported-color: hsl(79.5, 45.3%, 52%);
  --supported-in-preview-color: hsl(276.7, 36.3%, 51.4%);
  --in-development-color: hsl(24.5, 91.3%, 50.6%);
  --no-active-development-color: hsl(240, 60.6%, 59.2%);
  --partially-supported-color: hsl(180, 30%, 52%);
  --prototyping-color: hsl(211.3, 100%, 50%);
  --under-consideration-color: hsl(0, 35%, 61%);
}
```

status:129

```
:root {
  --feature-rule-color: hsl(0, 0%, 89.4%);
  --status-color: hsl(0, 0%, 60%);
  --supported-color: hsl(100, 100%, 30%);
  --supported-in-preview-color: hsl(275.4, 77.7%, 35.1%);
  --in-development-color: hsl(24.5, 91.3%, 50.6%);
  --no-active-development-color: hsl(240, 60.6%, 59.2%);
  --partially-supported-color: hsl(180, 25%, 43.9%);
  --prototyping-color: hsl(211.3, 100%, 50%);
  --under-consideration-color: hsl(5.9, 40.2%, 60%);
}
```

+ Filter Classes



Web Inspector — webkit.org — status

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Elements Network Debugger Resources Timelines Storage Canvas Console

html

```
<!DOCTYPE html>
<html> = $0
  <head>...</head>
  <body class="page-template page-template-status page-template-status-php page page-id-4163">
    <!--?xml version="1.0" encoding="utf-8"?-->
    <!-- Copyright © 2018 Apple Inc. All rights reserved. -->
    <svg xmlns="http://www.w3.org/2000/svg">...</svg>
    <header aria-label="WebKit.org Header" id="header">...</header>
    <main id="content">
      <div class="page-width">
        <script>...</script>
        <style>...</style>
        <div class="page feature-status-page" id="post-4163">
          <div class="connected pagination">...</div>
          <h1>...</h1>
          <section class="feature-filters">...</section>
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                </div>
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              <li class="feature" id="feature-array.prototype.includes">...</li>
              <li class="feature" id="feature-arrow-functions">...</li>
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Style Attribute {

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    <!--?xml version="1.0" encoding="utf-8"?-->
    <!-- Copyright © 2018 Apple Inc. All rights reserved. -->
    <svg xmlns="http://www.w3.org/2000/svg">...</svg>
    <header aria-label="WebKit.org Header" id="header">...</header>
    <main id="content">
      <div class="page-width">
        <script>...</script>
        <style>...</style>
        <div class="page feature-status-page" id="...">
          <div class="connected pagination">...</div>
          <h1>...</h1>
          <section class="feature-filters">...</section>
          <section id="feature-list">
            <div class="feature-count">...</div>
            <ul class="features" id="features">
              <li class="feature" id="specif...">
                <div class="feature-containe...">
                  <div class="feature-header">
                    <h3>...</h3>
                    <div class="feature-statu...>
                      :after
                    </div>
                    <div class="feature-details">...</div>
                  </div>
                </li>
                <li class="feature" id="feature-array.p...>
                <li class="feature" id="feature-array.pro...>
                <li class="feature" id="feature-arrow-functi...>
                <li class="feature" id="feature-async-iteration...>
                <li class="feature" id="feature-async/await">...</li>
                <li class="feature" id="specification-battery-status-api">...</li>
                <li class="feature" id="specification-beacon-api">...</li>
                <li class="feature" id="feature-block-scoping">...</li>
                <li class="feature" id="feature-case-insensitive-attribute-selectors">...</li>
                <li class="feature" id="feature-classes">...</li>
                <li class="feature" id="feature-conic-gradients">...</li>
                <li class="feature" id="specification-content-security-policy-level-2">...</li>
                <li class="feature" id="specification-content-security-policy-level-3">...</li>
                <li class="feature" id="specification-css-animation-worklet-api">...</li>
            </ul>
          </section>
        </div>
      </div>
    </main>
  </body>
</html>
```

Timelines

Style Attribute {

```
@media (prefers-color-scheme: dark)
:root {
  --feature-rule-color: hsl(0, 0%, 20%);
  --status-color: hsl(0, 0%, 51%);
  --supported-color: hsl(79.5, 45.3%, 52%);
  --supported-in-preview-color: hsl(276.7, 36.3%, 51.4%);
  --in-development-color: hsl(24.5, 91.3%, 50.6%);
  --no-active-development-color: hsl(240, 60.6%, 59.2%);
  --partially-supported-color: hsl(180, 30%, 52%);
  --prototyping-color: hsl(211.3, 100%, 50%);
  --under-consideration-color: hsl(0, 35%, 61%);
}

:root {
  --feature-rule-color: hsl(0, 0%, 89.4%);
  --status-color: hsl(0, 0%, 60%);
  --supported-color: hsl(100, 100%, 30%);
  --supported-in-preview-color: hsl(275.4, 77.7%, 35.1%);
  --in-development-color: hsl(24.5, 91.3%, 50.6%);
  --no-active-development-color: hsl(240, 60.6%, 59.2%);
  --partially-supported-color: hsl(180, 25%, 43.9%);
  --prototyping-color: hsl(211.3, 100%, 50%);
  --under-consideration-color: hsl(5.9, 40.2%, 60%);
}
```

Filter Classes



Web Inspector — webkit.org — status

9 222.5 KB 247ms 1 0 0

Elements Network Debugger Resources Timelines Storage Canvas Console

html

```
<!DOCTYPE html>
<html> = $0
  <head>...</head>
  <body class="page-template page-template-status page-template-status-php page page-id-4163">
    <!--?xml version="1.0" encoding="utf-8"?-->
    <!-- Copyright © 2018 Apple Inc. All rights reserved. -->
    <svg xmlns="http://www.w3.org/2000/svg">...</svg>
    <header aria-label="WebKit.org Header" id="header">...</header>
    <main id="content">
      <div class="page-width">
        <script>...</script>
        <style>...</style>
        <div class="page feature-status-page" id="post-4163">
          <div class="connected pagination">...</div>
          <h1>...</h1>
          <section class="feature-filters">...</section>
          <section id="feature-list">
            <div class="feature-count">...</div>
            <ul class="features" id="features-container">
              <li class="feature" id="specification-application-cache">
                <div class="feature-container status-marker deprecated">
                  <div class="feature-header">
                    <h3>...</h3>
                    <div class="feature-status deprecated">...</div>
                    ::after
                  </div>
                  <div class="feature-details">...</div>
                </div>
              </li>
              <li class="feature" id="feature-array.prototype.copywithin">...</li>
              <li class="feature" id="feature-array.prototype.includes">...</li>
              <li class="feature" id="feature-arrow-functions">...</li>
              <li class="feature" id="feature-async-iteration">...</li>
              <li class="feature" id="feature-async/await">...</li>
              <li class="feature" id="specification-battery-status-api">...</li>
              <li class="feature" id="specification-beacon-api">...</li>
              <li class="feature" id="feature-block-scoping">...</li>
              <li class="feature" id="feature-case-insensitive-attribute-selectors">...</li>
              <li class="feature" id="feature-classes">...</li>
              <li class="feature" id="feature-conic-gradients">...</li>
              <li class="feature" id="specification-content-security-policy-level-2">...</li>
              <li class="feature" id="specification-content-security-policy-level-3">...</li>
              <li class="feature" id="specification-css-animation-worklet-api">...</li>
            </ul>
          </section>
        </div>
      </div>
    </main>
  </body>
</html>
```

Style Attribute { }

@media (prefers-color-scheme: dark) status:142

```
:root {
  --feature-rule-color: hsl(0, 0%, 20%);
  --status-color: hsl(0, 0%, 51%);
  --supported-color: hsl(79.5, 45.3%, 52%);
  --supported-in-preview-color: hsl(276.7, 36.3%, 51.4%);
  --in-development-color: hsl(24.5, 91.3%, 50.6%);
  --no-active-development-color: hsl(240, 60.6%, 59.2%);
  --partially-supported-color: hsl(180, 30%, 52%);
  --prototyping-color: hsl(211.3, 100%, 50%);
  --under-consideration-color: hsl(0, 35%, 61%);
}
```

status:129

```
:root {
  --feature-rule-color: hsl(0, 0%, 89.4%);
  --status-color: hsl(0, 0%, 60%);
  --supported-color: hsl(100, 100%, 30%);
  --supported-in-preview-color: hsl(275.4, 77.7%, 35.1%);
  --in-development-color: hsl(24.5, 91.3%, 50.6%);
  --no-active-development-color: hsl(240, 60.6%, 59.2%);
  --partially-supported-color: hsl(180, 25%, 43.9%);
  --prototyping-color: hsl(211.3, 100%, 50%);
  --under-consideration-color: hsl(5.9, 40.2%, 60%);
}
```

+ Filter Classes



Web Inspector — webkit.org — status

9 222.5 KB 247ms 1 0 0

Elements Network Debugger Resources Timelines Storage Canvas Console

html

```
<!DOCTYPE html>
<html> = $0
  <head>...</head>
  <body class="page-template page-template-status page-template-status-php page page-id-4163">
    <!--?xml version="1.0" encoding="utf-8"?-->
    <!-- Copyright © 2018 Apple Inc. All rights reserved. -->
    <svg xmlns="http://www.w3.org/2000/svg">...</svg>
    <header aria-label="WebKit.org Header" id="header">...</header>
    <main id="content">
      <div class="page-width">
        <script>...</script>
        <style>...</style>
        <div class="page feature-status-page" id="post-4163">
          <div class="connected pagination">...</div>
          <h1>...</h1>
          <section class="feature-filters">...</section>
          <section id="feature-list">
            <div class="feature-count">...</div>
            <ul class="features" id="features-container">
              <li class="feature" id="specification-application-cache">
                <div class="feature-container status-marker deprecated">
                  <div class="feature-header">
                    <h3>...</h3>
                    <div class="feature-status deprecated">...</div>
                    ::after
                  </div>
                  <div class="feature-details">...</div>
                </div>
              </li>
              <li class="feature" id="feature-array.prototype.copywithin">...</li>
              <li class="feature" id="feature-array.prototype.includes">...</li>
              <li class="feature" id="feature-arrow-functions">...</li>
              <li class="feature" id="feature-async-iteration">...</li>
              <li class="feature" id="feature-async/await">...</li>
              <li class="feature" id="specification-battery-status-api">...</li>
              <li class="feature" id="specification-beacon-api">...</li>
              <li class="feature" id="feature-block-scoping">...</li>
              <li class="feature" id="feature-case-insensitive-attribute-selectors">...</li>
              <li class="feature" id="feature-classes">...</li>
              <li class="feature" id="feature-conic-gradients">...</li>
              <li class="feature" id="specification-content-security-policy-level-2">...</li>
              <li class="feature" id="specification-content-security-policy-level-3">...</li>
              <li class="feature" id="specification-css-animation-worklet-api">...</li>
            </ul>
          </section>
        </div>
      </div>
    </main>
  </body>
</html>
```

Styles

Style Attribute { }

@media (prefers-color-scheme: dark)

:root { status:142

- feature-rule-color: hsl(0, 0%, 0%);
- status-color: hsl(0, 0%, 51%);
- supported-color: hsl(79.5, 45.7%, 52%);
- supported-in-preview-color: hsl(276.7, 36.3%, 51.4%);
- in-development-color: hsl(24.5, 91.3%, 50.6%);
- no-active-development-color: hsl(240, 60.6%, 59.2%);
- partially-supported-color: hsl(180, 30%, 52%);
- prototyping-color: hsl(211.3, 100%, 50%);
- under-consideration-color: hsl(0, 35%, 61%);

:root { status:129

- feature-rule-color: hsl(0, 0%, 89.4%);
- status-color: hsl(0, 0%, 60%);
- supported-color: hsl(100, 100%, 30%);
- supported-in-preview-color: hsl(275.4, 77.7%, 35.1%);
- in-development-color: hsl(24.5, 91.3%, 50.6%);
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- prototyping-color: hsl(211.3, 100%, 50%);
- under-consideration-color: hsl(5.9, 40.2%, 60%);

+ Filter Classes







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html

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  <body class="page-template page-template-status page-template-status-php page page-id-4163">
    <!--?xml version="1.0" encoding="utf-8"?-->
    <!-- Copyright © 2018 Apple Inc. All rights reserved. -->
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    <header aria-label="WebKit.org Header" id="header">...</header>
    <main id="content">
      <div class="page-width">
        <script>...</script>
        <style>...</style>
        <div class="page feature-status-page" id="post-4163">
          <div class="connected pagination">...</div>
          <h1>...</h1>
          <section class="feature-filters">...</section>
          <section id="feature-list">
            <div class="feature-count">...</div>
            <ul class="features" id="features-container">
              <li class="feature" id="specification-application-cache">
                <div class="feature-container status-marker deprecated">
                  <div class="feature-header">
                    <h3>...</h3>
                    <div class="feature-status deprecated">...</div>
                    ::after
                  </div>
                  <div class="feature-details">...</div>
                </div>
              </li>
              <li class="feature" id="feature-array.prototype.copywithin">...</li>
              <li class="feature" id="feature-array.prototype.includes">...</li>
              <li class="feature" id="feature-arrow-functions">...</li>
              <li class="feature" id="feature-async-iteration">...</li>
              <li class="feature" id="feature-async/await">...</li>
              <li class="feature" id="specification-battery-status-api">...</li>
              <li class="feature" id="specification-beacon-api">...</li>
              <li class="feature" id="feature-block-scoping">...</li>
              <li class="feature" id="feature-case-insensitive-attribute-selectors">...</li>
              <li class="feature" id="feature-classes">...</li>
              <li class="feature" id="feature-conic-gradients">...</li>
              <li class="feature" id="specification-content-security-policy-level-2">...</li>
              <li class="feature" id="specification-content-security-policy-level-3">...</li>
              <li class="feature" id="specification-css-animation-worklet-api">...</li>
            </ul>
          </section>
        </div>
      </div>
    </main>
  </body>
</html>
```

Style Attribute {

@media (prefers-color-scheme: dark) status:142

```
:root {
  --feature-rule-color: hsl(0, 0%, 20%);
  --status-color: hsl(0, 0%, 51%);
  --supported-color: hsl(79.5, 45.3%, 52%);
  --supported-in-preview-color: hsl(276.7, 36.3%, 51.4%);
  --in-development-color: hsl(24.5, 91.3%, 50.6%);
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  --partially-supported-color: hsl(180, 30%, 52%);
  --prototyping-color: hsl(211.3, 100%, 50%);
  --under-consideration-color: hsl(0, 35%, 61%);
}
```

status:129

```
:root {
  --feature-rule-color: hsl(0, 0%, 89.4%);
  --status-color: hsl(0, 0%, 60%);
  --supported-color: hsl(100, 100%, 30%);
  --supported-in-preview-color: hsl(275.4, 77.7%, 35.1%);
  --in-development-color: hsl(24.5, 91.3%, 50.6%);
  --no-active-development-color: hsl(240, 60.6%, 59.2%);
  --partially-supported-color: hsl(180, 25%, 43.9%);
  --prototyping-color: hsl(211.3, 100%, 50%);
  --under-consideration-color: hsl(5.9, 40.2%, 60%);
}
```

+ Filter Classes



# Summary

Web pages and rich email messages can opt-into Dark Mode



# Summary

Web pages and rich email messages can opt-into Dark Mode

Simple email messages will auto-darken in Dark Mode



# Summary

Web pages and rich email messages can opt-into Dark Mode

Simple email messages will auto-darken in Dark Mode

Test your content with Web Inspector's color scheme toggle



 WWDC19