

# Converting Colors

Hex(215F40)

Have a look what the booklet for  
Hex(215F40) contains.

<b>Hex(215F40)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(215F40)**

# Conversions

## Conversions Part 1

Format	Color
Hex	215F40
RGB	33, 95, 64
RGB Percent	13%, 37%, 25%
CMY	0.8706, 0.6275, 0.7490
CMYK	0.65, 0.00, 0.33, 0.63
HSL	150°, 48%, 25%
HSV	150°, 65%, 37%
XYZ	5.6448, 8.8779, 6.2666
YIQ	72.9280, -27.0010, -22.7850

# Conversions

## Conversions Part 2

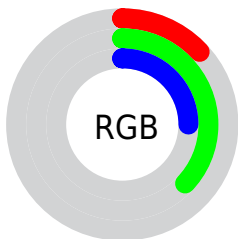
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	33, 74, 95
Decimal	2187072
CIE Lab	35.75, -27.97, 12.00
CIE LCh	36, 30.441, 156.778
Yxy	8.8779, 0.2715, 0.4270
Android (android.graphics.Color)	4280377152 (0xFF215F40)
YUV	72.9280, -4.4015, -35.0169
Hunter-Lab	29.7958, -18.3259, 8.3874

# Details

The Hex color **215F40** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5F2140**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **559270**, and **003015** is the 20% darker color. If you saturate the color by 10%, you get **175F3B**, and if you desaturate by 10%, it is **2B5F45**.

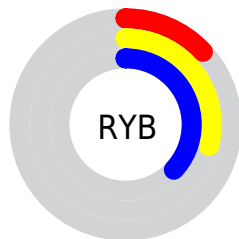
# Distribution



Red (13%)

Green (37%)

Blue (25%)



Red (13%)

Yellow (29%)

Blue (37%)

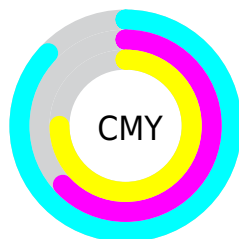


Cyan (65%)

Magenta (0%)

Yellow (33%)

Black (63%)



Cyan (87%)

Magenta (63%)


Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 215F40 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 215F40 by changing the saturation by 10% instead.



 215F40

 215F40

FFFFFF

 01472A

 559270

 003015

 6FAD89

 001C00

 89C8A4


 000000

 A4E5BF

 C0FFDB

 DCFFF7

 F9FFFF

 215F40

 215F40

■ 175F3B

■ 2B5F45

■ 0E5F37

■ 345F4A

■ 045F32

■ 3D5F4E

■ 005F30

■ 475F53

■ 515F58

■ 5A5F5D

■ 645F61

■ 6D5F66

■ 765F6B

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



435B2C



215F40



006059

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



215F40



345584



7F4338

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



215F40



5F2140

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



813F4F



215F40



5D4C7B

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



215F40



005C80



774368



724C27

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



215F40



006069



774368



81413F



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



215F40



627A6E



405F21



2F3D36



BDBDBD



3D3D3D



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



215F40



1B7A4B



215F5F



2C302E



007038



00F078



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5F2140



7A1B4B



5F2121



302C2E



700038

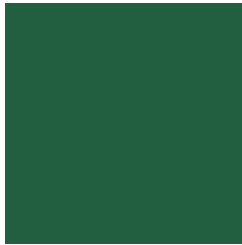


F00078



# Previews

## White Background



This preview shows how the Hex color 215F40 looks on a white background.

## Color Contrast Check

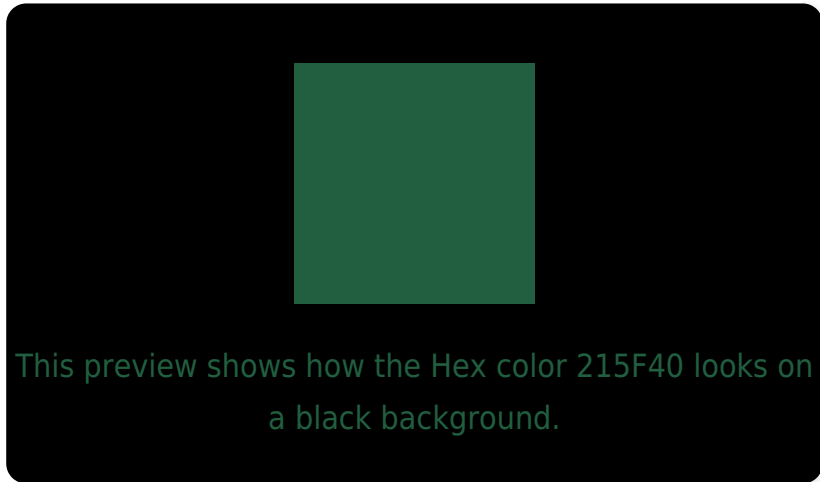
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 215F40 Background



This preview shows how black text looks on a background with the Hex color 215F40.



This preview shows how white text looks on a background with the Hex color 215F40.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
215F40

**Protanopia**  
5A543B

**Deuteranopia**  
615043



**Tritanopia**  
2D5B62

# Trichromacy



**Original Color**  
215F40

**Protanomaly**  
45583D

**Deuteranomaly**  
4A5542

**Tritanomaly**  
295C56

# Monochromacy



**Original Color**  
215F40

**Achromatopsia**  
494949

**Achromatomaly**  
3A5146

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 215F40 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #215F40 looks like.

```
.text, #text, p{  
    color:#215F40  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #215F40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #215F40
}
```

## Border

The CSS property to change the border of an element to Hex 215F40 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#215F40 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#215F40 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #215F40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #215F40; -webkit-box-shadow:4px 4px  
4px 4px #215F40; box-shadow:4px 4px 4px  
4px #215F40 }
```

# Background

The CSS property to change the background color of an element to Hex 215F40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#215F40 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#215F40 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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