

Converting Colors

Hex(212F17)

Have a look what the booklet for
Hex(212F17) contains.

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Color

Hex(212F17)

Conversions

Conversions Part 1

Format	Color
Hex	212F17
RGB	33, 47, 23
RGB Percent	13%, 18%, 9%
CMY	0.8706, 0.8157, 0.9098
CMYK	0.30, 0.00, 0.51, 0.82
HSL	95°, 34%, 14%
HSV	95°, 51%, 18%
XYZ	1.7984, 2.4182, 1.1826
YIQ	40.0780, -0.6400, -10.4320

Conversions

Conversions Part 2

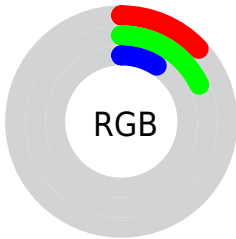
Format	Color
R_{YB}	23, 47, 37
Decimal	2174743
CIE _{Lab}	17.54, -11.35, 13.54
CIE _{LCh}	18, 17.674, 129.975
Yxy	2.4182, 0.3331, 0.4479
Android (android.graphics.Color)	4280364823 (0xFF212F17)
YUV	40.0780, -8.4195, -6.2074
Hunter-Lab	15.5506, -6.5708, 6.3766

Details

The Hex color **212F17** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **25172F**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **4E5D42**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1E2F12**, and if you desaturate by 10%, it is **242F1C**.

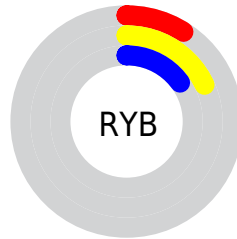
Distribution



Red (13%)

Green (18%)

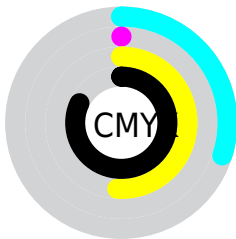
Blue (9%)



Red (9%)

Yellow (18%)

Blue (15%)

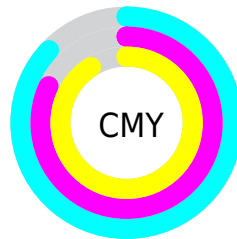


Cyan (30%)

Magenta (0%)

Yellow (51%)

Black (82%)



Cyan (87%)

Magenta (82%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Hex color 212F17 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 212F17 by changing the saturation by 10% instead.

■ 212F17

■ 212F17

■ FFFFA

■ 0D1B00

■ 4E5D42

■ 000000

■ 66765A

■ 7F8F72

■ 99AA8C

■ B4C5A6

■ D0E1C1

■ ECFEDD

■ 212F17

■ 212F17

■ 1E2F12

■ 242F1C

■ 1C2F0E

■ 262F20

■ 192F09

■ 292F25

■ 162F04

■ 2C2F2A

■ 142F00

■ 2F2F2F

■ 312F33

■ 342F38

■ 372F3D

■ 3A2F41

Harmonies

Analogous

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



2F2C11



212F17



103122

Triad

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



212F17



012F43



432127

Complementary

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



212F17



25172F

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.



3E2234



212F17



1E2B44

Square

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



212F17



00313B



32263F



41231B

Rectangle

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



212F17



00322B



32263F



42212C

Sweetspot

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



212F17



383D34



2F2517



1B1F19



9E9E9E



1F1F1F

Same Dimension

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



212F17



273D18



172F19



161715



245700



59D600

Inverse Universe

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



25172F



2E183D



2F172D



161517



330057



7D00D6

Previews

White Background



This preview shows how the Hex color 212F17 looks on a white background.

Color Contrast Check

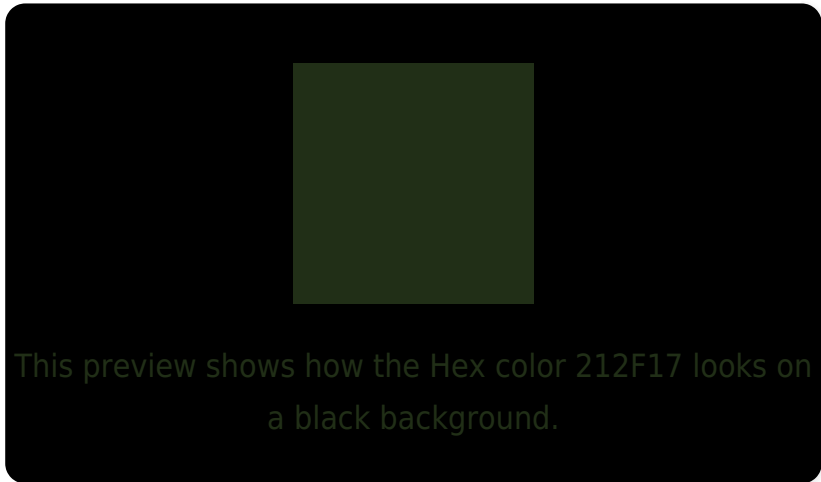
Large Text (above 18pt) WCAG AA ✓ Pass

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

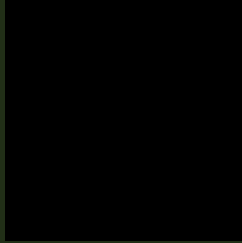
Any Text WCAG AA × Fail

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 212F17 Background



This preview shows how black text looks on a background with the Hex color 212F17.



This preview shows how white text looks on a background with the Hex color 212F17.

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
212F17

Protanopia
302B16

Deuteranopia
342919



Tritanopia
252C30

Trichromacy



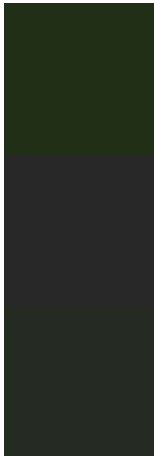
Original Color
212F17

Protanomaly
2B2C16

Deuteranomaly
2D2B18

Tritanomaly
242D27

Monochromacy



Original Color
212F17

Achromatopsia
282828

Achromatomaly
252B22

CSS Examples

Text

The CSS property to change the color of the text to Hex 212F17 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 #212F17 looks like.

```
.text, #text, p{  
    color:#212F17  
}
```

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 #212F17 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #212F17  
}
```

Border

The CSS property to change the border of an element to Hex 212F17 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  
#212F17 }
```

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

```
.border{ border-color:#212F17 }
```

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

Here you see how a box with a 4 pixel #212F17 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #212F17; -webkit-box-shadow:4px 4px  
4px 4px #212F17; box-shadow:4px 4px 4px  
4px #212F17 }
```

Background

The CSS property to change the background color of an element to Hex 212F17 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#212F17 }
```

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

```
.background{ background-color:#212F17 }
```

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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