

Converting Colors

Hex(202117)

Have a look what the booklet for
Hex(202117) contains.

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Color

Hex(202117)

Conversions

Conversions Part 1

Format	Color
Hex	202117
RGB	32, 33, 23
RGB Percent	13%, 13%, 9%
CMY	0.8745, 0.8706, 0.9098
CMYK	0.03, 0.00, 0.30, 0.87
HSL	66°, 18%, 11%
HSV	66°, 30%, 13%
XYZ	1.2942, 1.4567, 1.0236
YIQ	31.5610, 2.6140, -3.3220

Conversions

Conversions Part 2

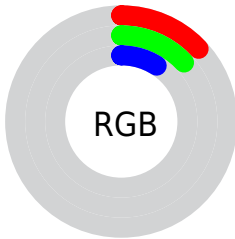
Format	Color
RYB	23, 33, 24
Decimal	2105623
CIELab	12.33, -2.72, 6.63
CIElCh	12, 7.169, 112.260
Yxy	1.4567, 0.3429, 0.3859
Android (android.graphics.Color)	4280295703 (0xFF202117)
YUV	31.5610, -4.2206, 0.3850
Hunter-Lab	12.0692, -1.9806, 3.4202

Details

The Hex color **202117** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **181721**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **4C4D42**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **202114**, and if you desaturate by 10%, it is **20211A**.

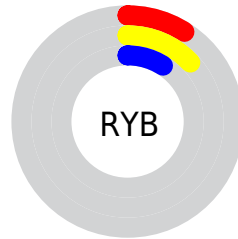
Distribution



Red (13%)

Green (13%)

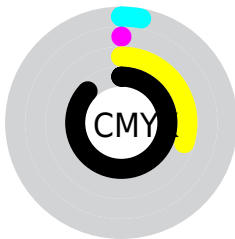
Blue (9%)



Red (9%)

Yellow (13%)

Blue (9%)

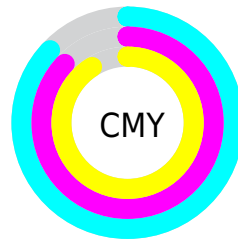


Cyan (3%)

Magenta (0%)

Yellow (30%)

Black (87%)



Cyan (87%)

Magenta (87%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Hex color 202117 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 202117 by changing the saturation by 10% instead.

■ 202117

■ 202117

■ FFFFF9

■ 060A00

■ 4C4D42

■ 000000

■ 646559

■ 7D7E71

■ 97988B

■ B2B2A5

■ CDCEC0

■ E9EADC

■ 202117

■ 202117

■ 202114

■ 20211A

■ 1F2110

■ 21211E

■ 1F210D

■ 212121

■ 1F210A

■ 212124

■ 1E2106

■ 222128

■ 1E2103

■ 22212B

■ 1E2100

■ 22212E

■ 232131

■ 232135

Harmonies

Analogous

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



251F16



202117



1A221A

Triad

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



202117



142228



291D22

Complementary

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



202117



181721

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.



251E26



202117



19212A

Square

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



202117



122324



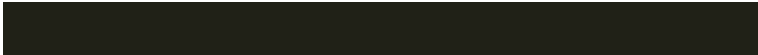
1F1F29



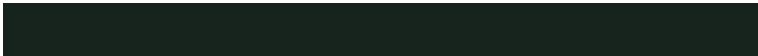
2A1D1D

Rectangle

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



202117



17231D



1F1F29



281D23

Sweetspot

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



202117



2B2B27



211817



171714



969696



171717

Same Dimension

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



202117



2A2B1C



1B2117



0F0F0E



474F00



BACF00

Inverse Universe

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



181721



1D1C2B



1D1721



0E0E0F



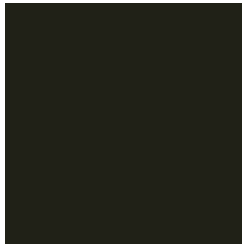
08004F



1500CF

Previews

White Background



This preview shows how the Hex color 202117 looks on a white background.

Color Contrast Check

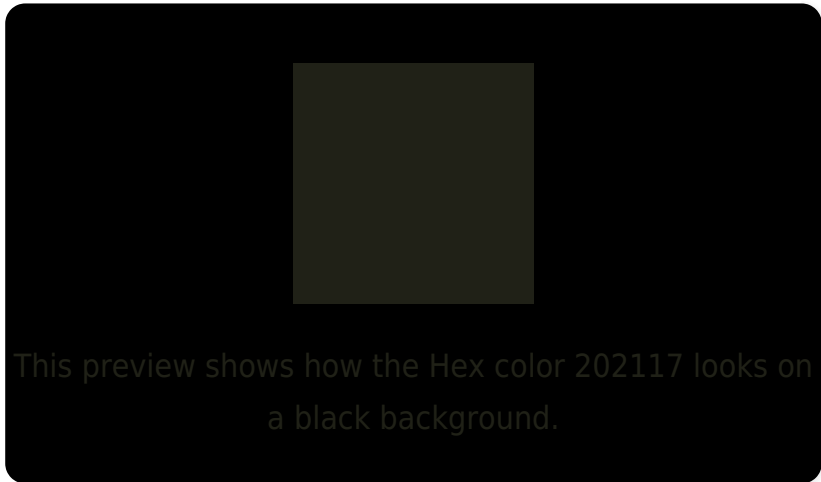
Large Text (above 18pt) WCAG AA ✓ Pass

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

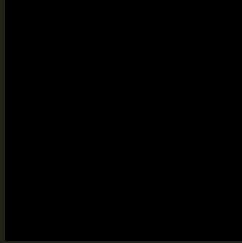
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

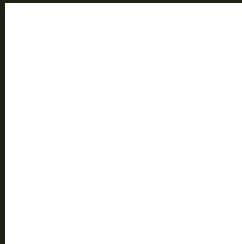
Any Text WCAG AAA × Fail

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

Hex 202117 Background



This preview shows how black text looks on a background with the Hex color 202117.

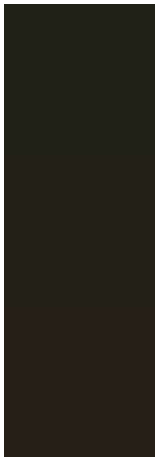


This preview shows how white text looks on a background with the Hex color 202117.

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

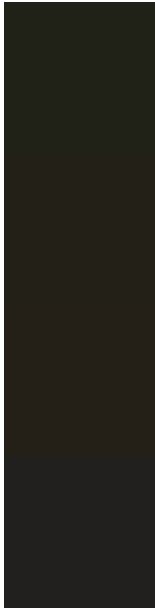


Original Color
202117

Protanopia
232017

Deuteranopia
261F17

Trichromacy



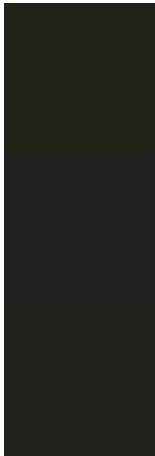
Original Color
202117

Protanomaly
222017

Deuteranomaly
242017

Tritanomaly
21201E

Monochromacy



Original Color
202117

Achromatopsia
202020

Achromatomaly
20201D

CSS Examples

Text

The CSS property to change the color of the text to Hex 202117 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 #202117 looks like.

```
.text, #text, p{  
    color:#202117  
}
```

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 #202117 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #202117
}
```

Border

The CSS property to change the border of an element to Hex 202117 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
#202117 }
```

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

```
.border{ border-color:#202117 }
```

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

Here you see how a box with a 4 pixel #202117 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #202117; -webkit-box-shadow:4px 4px  
4px 4px #202117; box-shadow:4px 4px 4px  
4px #202117 }
```

Background

The CSS property to change the background color of an element to Hex 202117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#202117 }
```

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

```
.background{ background-color:#202117 }
```

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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