

Converting Colors

Hex(212121)

Have a look what the booklet for
Hex(212121) contains.

Hex(212121)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	15
<i>Color Blindness Simulation</i>	18
<i>CSS Examples</i>	21

Color

Hex(212121)

Conversions

Conversions Part 1

Format	Color
Hex	212121
RGB	33, 33, 33
RGB Percent	13%, 13%, 13%
CMY	0.8706, 0.8706, 0.8706
CMYK	0.00, 0.00, 0.00, 0.87
HSL	0°, 0%, 13%
HSV	0°, 0%, 13%
XYZ	1.4456, 1.5209, 1.6562
YIQ	33.0000, -0.0000, -0.0000

Conversions

Conversions Part 2

Format	Color
RYB	33, 33, 33
Decimal	2171169
CIELab	12.74, 0.00, -0.00
CIElCh	13, 0.003, 296.813
Yxy	1.5209, 0.3127, 0.3290
Android (android.graphics.Color)	4280361249 (0xFF212121)
YUV	33.0000, 0.0000, 0.0000
Hunter-Lab	12.3323, -0.6580, 0.6700

Details

The Hex color **212121** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **212121**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **4D4D4D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **211E1E**, and if you desaturate by 10%, it is **212424**.

Distribution



Red (13%)

Green (13%)

Blue (13%)



Red (13%)

Yellow (13%)

Blue (13%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (87%)



Cyan (87%)

Magenta (87%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 212121 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 212121 by changing the saturation by 10% instead.

■ 212121

■ 212121

FFFFFF

■ 0A0A0A

■ 4D4D4D

■ 000000

■ 656565

■ 7E7E7E

■ 989898

■ B2B2B2

■ CECECE

■ EAEAEA

■ 212121

■ 212121

■ 211E1E

■ 212424

■ 211A1A

■ 212828

■ 211717

■ 212B2B

■ 211414

■ 212E2E

■ 211111

■ 213232

■ 210D0D

■ 213535

■ 210A0A

■ 213838

■ 210707

■ 213B3B

■ 210303

■ 213F3F

Harmonies

Sweetspot

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



212121



2B2B2B



171717



969696

Same Dimension

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



212121



2B2B2B



0F0F0F



4F0000



CF0000

Inverse Universe

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



212121



2B2B2B



0F0F0F



004F4F



00CFCF

Previews

White Background



This preview shows how the Hex color 212121 looks on a white background.

Color Contrast Check

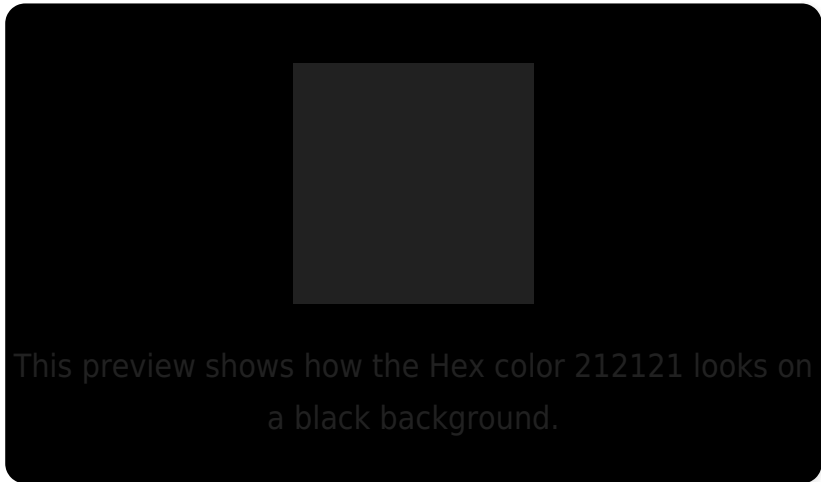
Large Text (above 18pt) WCAG AA ✓ Pass

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

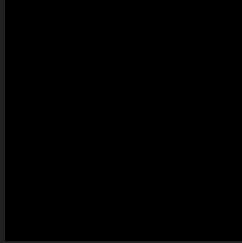
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

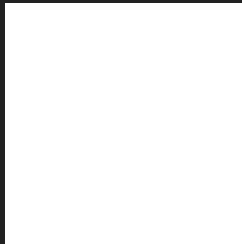
Any Text WCAG AAA × Fail

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

Hex 212121 Background



This preview shows how black text looks on a background with the Hex color 212121.



This preview shows how white text looks on a background with the Hex color 212121.

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](#).

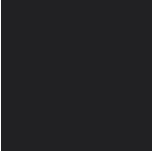
Dichromacy



Original Color
212121

Protanopia
222121

Deuteranopia
242021



Tritanopia
212123

Trichromacy



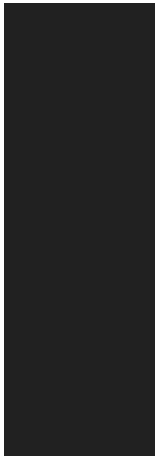
Original Color
212121

Protanomaly
222121

Deuteranomaly
232021

Tritanomaly
212122

Monochromacy



Original Color
212121

Achromatopsia
212121

Achromatomaly
212121

CSS Examples

Text

The CSS property to change the color of the text to Hex 212121 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 #212121 looks like.

```
.text, #text, p{  
    color:#212121  
}
```

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 #212121 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #212121
}
```

Border

The CSS property to change the border of an element to Hex 212121 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
#212121 }
```

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

```
.border{ border-color:#212121 }
```

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

Here you see how a box with a 4 pixel #212121 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #212121; -webkit-box-shadow:4px 4px  
4px 4px #212121; box-shadow:4px 4px 4px  
4px #212121 }
```

Background

The CSS property to change the background color of an element to Hex 212121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#212121 }
```

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

```
.background{ background-color:#212121 }
```

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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