

Converting Colors

Hex(002212)

Have a look what the booklet for
Hex(002212) contains.

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Color

Hex(002212)

Conversions

Conversions Part 1

Format	Color
Hex	002212
RGB	0, 34, 18
RGB Percent	0%, 13%, 7%
CMY	1.0000, 0.8667, 0.9294
CMYK	1.00, 0.00, 0.47, 0.87
HSL	152°, 100%, 7%
HSV	152°, 100%, 13%
XYZ	0.6812, 1.1877, 0.7656
YIQ	22.0100, -15.1280, -12.1840

Conversions

Conversions Part 2

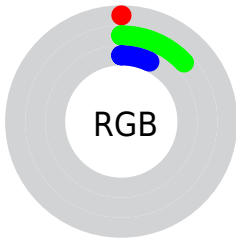
Format	Color
RYB	0, 22, 34
Decimal	8722
CIELab	10.47, -17.21, 7.09
CIELCh	10, 18.614, 157.595
Yxy	1.1877, 0.2586, 0.4508
Android (android.graphics.Color)	4278198802 (0xFF002212)
YUV	22.0100, -1.9769, -19.3028
Hunter-Lab	10.8983, -7.9147, 3.4636

Details

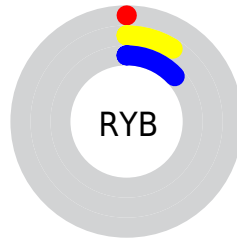
The Hex color **002212** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **220010**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **2D4F3C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002212**, and if you desaturate by 10%, it is **032214**.

Distribution



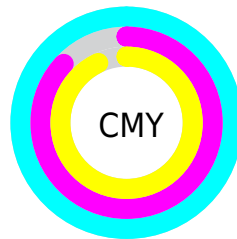
- Red (0%)
- Green (13%)
- Blue (7%)



- Red (0%)
- Yellow (9%)
- Blue (13%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (87%)



- Cyan (100%)
- Magenta (87%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002212 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 002212 by changing the saturation by 10% instead.

 002212

 002212

 E2FFF2

 000300

 2D4F3C

 000000

 446753

 5C806C

 759A85

 8FB59F

 AAD1BA

 C6EDD6

 002212

■ 032214

■ 072215

■ 0A2217

■ 0E2218

■ 11221A

■ 14221C

■ 18221D

■ 1B221F

■ 1F2220

Harmonies

Analogous

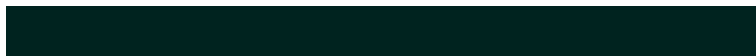
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



152002



002212



00231F

Triad

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



002212



0A1D35



32130B

Complementary

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



002212



220010

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.



33111A



002212



211830

Square

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



002212



002034



2E1326



2C1800

Rectangle

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



002212



002328



2E1326



331211

Sweetspot

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



002212



1E2B25



102200



0F1713



969696



171717

Same Dimension

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



002212



002B17



002122



101211



00522B



00D16F

Inverse Universe

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



220010



2B0014



220100



121011



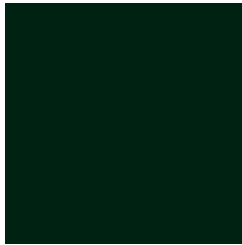
520026



D10062

Previews

White Background



This preview shows how the Hex color 002212 looks on a white background.

Color Contrast Check

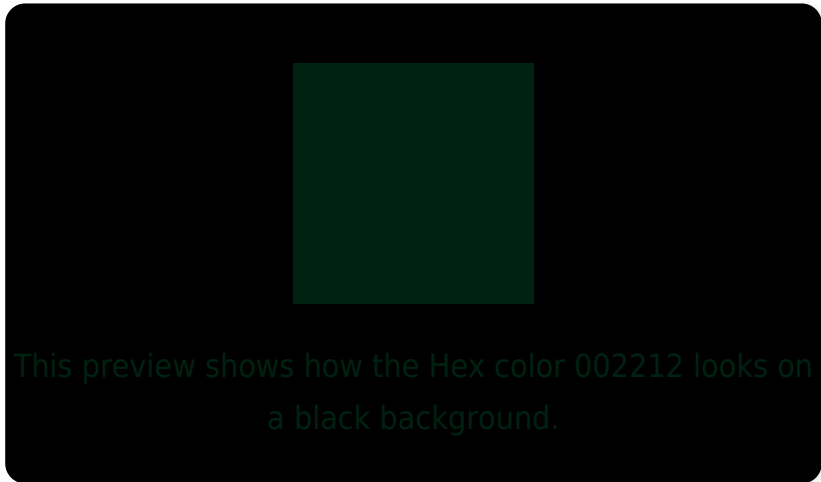
Large Text (above 18pt) WCAG AA ✓ Pass

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

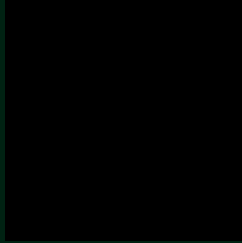
Any Text WCAG AA × Fail

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 002212 Background



This preview shows how black text looks on a background with the Hex color 002212.



This preview shows how white text looks on a background with the Hex color 002212.

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
002212

Protanopia
201D10

Deuteranopia
231C13

Trichromacy



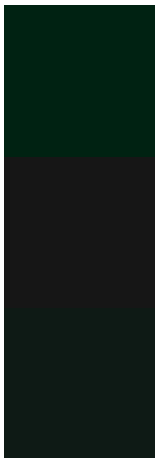
Original Color
002212

Protanomaly
141F11

Deuteranomaly
161E13

Tritanomaly
08211D

Monochromacy



Original Color
002212

Achromatopsia
161616

Achromatomaly
0E1A15

CSS Examples

Text

The CSS property to change the color of the text to Hex 002212 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 #002212 looks like.

```
.text, #text, p{  
    color:#002212  
}
```

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 #002212 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002212
}
```

Border

The CSS property to change the border of an element to Hex 002212 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".

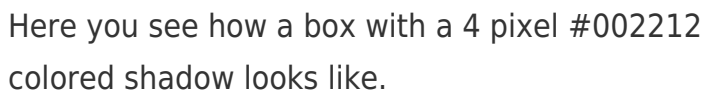
```
.border, #border, table{ border:4px solid
#002212 }
```

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

```
.border{ border-color:#002212 }
```

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

Here you see how a box with a 4 pixel #002212 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002212; -webkit-box-shadow:4px 4px  
4px 4px #002212; box-shadow:4px 4px 4px  
4px #002212 }
```

Background

The CSS property to change the background color of an element to Hex 002212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002212 }
```

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

```
.background{ background-color:#002212 }
```

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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