

# Converting Colors

Hex(66220A)

Have a look what the booklet for  
Hex(66220A) contains.

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# Color

Hex(66220A)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66220A
RGB	102, 34, 10
RGB Percent	40%, 13%, 4%
CMY	0.6000, 0.8667, 0.9608
CMYK	0.00, 0.67, 0.90, 0.60
HSL	16°, 82%, 22%
HSV	16°, 90%, 40%
XYZ	6.1063, 3.9908, 0.7356
YIQ	51.5960, 48.2320, 6.9520

# Conversions

## Conversions Part 2

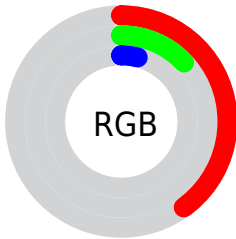
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 42, 10
Decimal	6693386
CIE <sub>Lab</sub>	23.64, 29.39, 30.24
CIE <sub>LCh</sub>	24, 42.167, 45.816
Yxy	3.9908, 0.5637, 0.3684
Android (android.graphics.Color)	4284883466 (0xFF66220A)
YUV	51.5960, -20.5068, 44.2043
Hunter-Lab	19.9769, 19.6024, 11.8005

# Details

The Hex color **66220A** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **0A4E66**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **9F5236**, and **310000** is the 20% darker color. If you saturate the color by 10%, you get **661B00**, and if you desaturate by 10%, it is **662A14**.

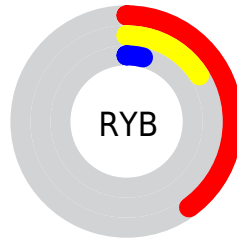
# Distribution



Red (40%)

Green (13%)

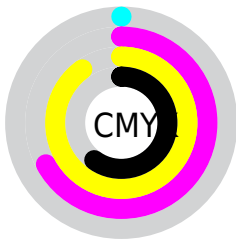
Blue (4%)



Red (40%)

Yellow (16%)

Blue (4%)

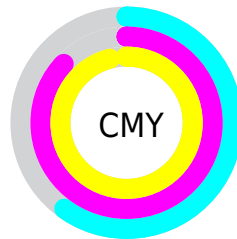


Cyan (0%)

Magenta (67%)

Yellow (90%)

Black (60%)



Cyan (60%)

Magenta (87%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66220A 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 66220A by changing the saturation by 10% instead.



 66220A

 66220A

 FFFFEC

 4B0900

 9F5236

 310000

 BC6B4E

 050000

 D98566

 000000

 F79F7F

 FFBA99

 FFD6B4

 FFF3D0

 66220A

 66220A

■ 661B00

■ 662A14

■ 66311E

■ 663929

■ 664033

■ 66483D

■ 664F47

■ 665751

■ 665E5C

■ 666666

# Harmonies

## Analogous

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



6F1229



66220A



523100

# Triad

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



66220A



004528



013676

# Complementary

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



66220A



0A4E66

# 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.



004076



66220A



004649

# Square

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



66220A



0B4205



004565



4E2765

# Rectangle

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



66220A



413900



004565



003A78



# Sweetspot

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



66220A



856A61



660A4F



42332D



C2C2C2



424242



# Same Dimension

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



66220A



852300



664F0A



332F2E



731E00



F23F00



# Inverse Universe

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



0A4E66



006285



0A2166



2E3233



005573

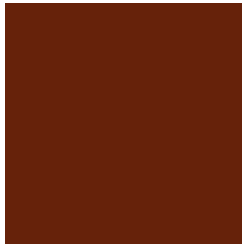


00B3F2



# Previews

## White Background



This preview shows how the Hex color 66220A 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

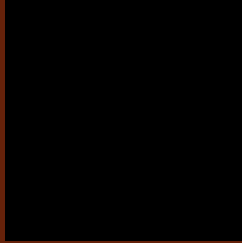
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 66220A Background



This preview shows how black text looks on a background with the Hex color 66220A.



This preview shows how white text looks on a background with the Hex color 66220A.

# 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**  
66220A

**Protanopia**  
413A10

**Deuteranopia**  
493700



# Trichromacy



**Original Color**  
66220A

**Protanomaly**  
4E310E

**Deuteranomaly**  
542F04

**Tritanomaly**  
672119

# Monochromacy



**Original Color**  
66220A

**Achromatopsia**  
343434

**Achromatomaly**  
462D25

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66220A 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 #66220A looks like.

```
.text, #text, p{  
    color:#66220A  
}
```

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 #66220A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66220A
}
```

## Border

The CSS property to change the border of an element to Hex 66220A is called "border". The border property can be set on classes, ids or directly on the HTML element.

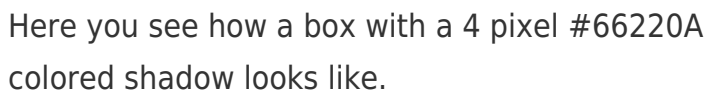
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#66220A }
```

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

```
.border{ border-color:#66220A }
```

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



Here you see how a box with a 4 pixel #66220A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66220A; -webkit-box-shadow:4px 4px  
4px 4px #66220A; box-shadow:4px 4px 4px  
4px #66220A }
```

# Background

The CSS property to change the background color of an element to Hex 66220A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66220A }
```

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

```
.background{ background-color:#66220A }
```

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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