

# Converting Colors

Hex(85220D)

Have a look what the booklet for  
Hex(85220D) contains.

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**Color**

**Hex(85220D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	85220D
RGB	133, 34, 13
RGB Percent	52%, 13%, 5%
CMY	0.4784, 0.8667, 0.9490
CMYK	0.00, 0.74, 0.90, 0.48
HSL	10°, 82%, 29%
HSV	10°, 90%, 52%
XYZ	10.3175, 6.1597, 1.0259
YIQ	61.2070, 65.7450, 14.4570

# Conversions

## Conversions Part 2

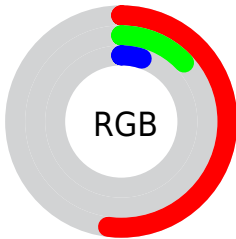
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 38, 13
Decimal	8725005
CIE Lab	29.81, 41.05, 36.74
CIE LCh	30, 55.093, 41.831
Yxy	6.1597, 0.5895, 0.3519
Android (android.graphics.Color)	4286915085 (0xFF85220D)
YUV	61.2070, -23.7661, 62.9625
Hunter-Lab	24.8187, 30.7728, 14.9222

# Details

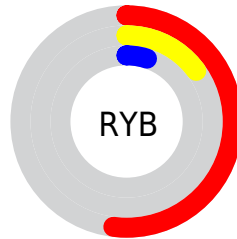
The Hex color **85220D** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **0D7085**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **C1563A**, and **4B0000** is the 20% darker color. If you saturate the color by 10%, you get **851700**, and if you desaturate by 10%, it is **852D1A**.

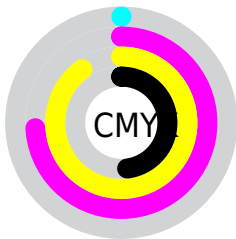
# Distribution



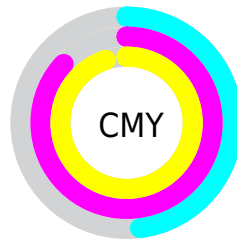
- Red (52%)
- Green (13%)
- Blue (5%)



- Red (52%)
- Yellow (15%)
- Blue (5%)



- Cyan (0%)
- Magenta (74%)
- Yellow (90%)
- Black (48%)



- Cyan (48%)
- Magenta (87%)
- Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 85220D 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 85220D by changing the saturation by 10% instead.



 85220D

 85220D

 FFFFFF1

 680100

 C1563A

 4B0000

 DF7052

 320002

 FE8A6A

 000000

 FFA684

 FFC19E

 FFDEB9

 FFFBD5

 85220D

 85220D

■ 851700

■ 852D1A

■ 853828

■ 854335

■ 854E42

■ 855950

■ 85645D

■ 856F6A

■ 857A77

■ 858585

# Harmonies

## Analogous

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



8F0137



85220D



6C3A00

# Triad

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



85220D



00572A



00469B

# Complementary

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



85220D



0D7085

# 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.



005298



85220D



005857

# Square

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



85220D



0D5200



00577F



5B3187

# Rectangle

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



85220D



554500



00577F



004B9D



# Sweetspot

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



85220D



AD877F



850D71



57403B



D6D6D6



575757



# Same Dimension

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



85220D



AD1E00



855D0D



423D3C



821700



030000



# Inverse Universe

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



0D7085



008FAD



0D3585



3C4142



006B82



000203



# Previews

## White Background



This preview shows how the Hex color 85220D 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

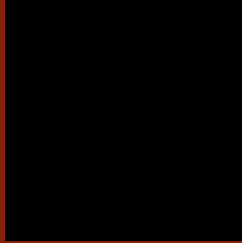
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 85220D Background



This preview shows how black text looks on a background with the Hex color 85220D.



This preview shows how white text looks on a background with the Hex color 85220D.

# 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**  
85220D

**Protanopia**  
504816

**Deuteranopia**  
5B4400



# Trichromacy



**Original Color**  
85220D

**Protanomaly**  
633A13

**Deuteranomaly**  
6A3805

**Tritanomaly**  
85211A

# Monochromacy



**Original Color**  
85220D

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
57332C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 85220D 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 #85220D looks like.

```
.text, #text, p{  
    color:#85220D  
}
```

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 #85220D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #85220D
}
```

## Border

The CSS property to change the border of an element to Hex 85220D is called "border". The border property can be set on classes, ids or directly on the HTML element.

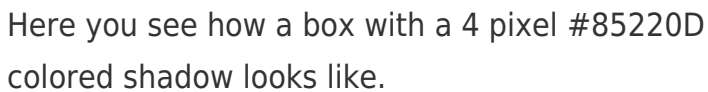
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#85220D }
```

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

```
.border{ border-color:#85220D }
```

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



Here you see how a box with a 4 pixel #85220D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #85220D; -webkit-box-shadow:4px 4px  
4px 4px #85220D; box-shadow:4px 4px 4px  
4px #85220D }
```

# Background

The CSS property to change the background color of an element to Hex 85220D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#85220D }
```

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

```
.background{ background-color:#85220D }
```

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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