

# Converting Colors

Hex(783221)

Have a look what the booklet for  
Hex(783221) contains.

<b>Hex(783221)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(783221)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	783221
RGB	120, 50, 33
RGB Percent	47%, 20%, 13%
CMY	0.5294, 0.8039, 0.8706
CMYK	0.00, 0.58, 0.72, 0.53
HSL	12°, 57%, 30%
HSV	12°, 72%, 47%
XYZ	9.1608, 6.3841, 2.1883
YIQ	68.9920, 47.1770, 9.5530

# Conversions

## Conversions Part 2

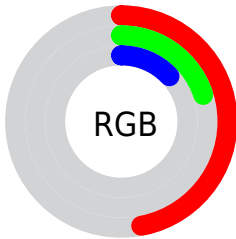
Format	Color
<b>R<sub>YB</sub></b>	120, 54, 33
Decimal	7877153
CIE Lab	30.36, 29.41, 25.56
CIE LCh	30, 38.965, 40.988
Yxy	6.3841, 0.5166, 0.3600
Android (android.graphics.Color)	4286067233 (0xFF783221)
YUV	68.9920, -17.7441, 44.7340
Hunter-Lab	25.2667, 20.5011, 12.5518

# Details

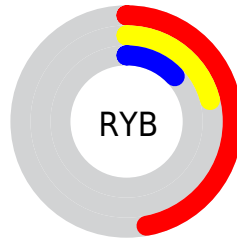
The Hex color **783221** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **216778**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **B1634E**, and **420100** is the 20% darker color. If you saturate the color by 10%, you get **782815**, and if you desaturate by 10%, it is **783C2D**.

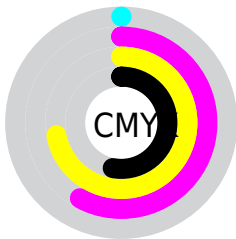
# Distribution



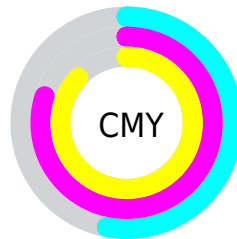
- Red (47%)
- Green (20%)
- Blue (13%)



- Red (47%)
- Yellow (21%)
- Blue (13%)



- Cyan (0%)
- Magenta (58%)
- Yellow (72%)
- Black (53%)



- Cyan (53%)
- Magenta (80%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 783221 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 783221 by changing the saturation by 10% instead.



 783221

 783221

FFFFFF

 5D1A0B

 B1634E

 420100

 CE7C66

 2B0001

 EC977F

 000000

 FFB299

 FFCDB4

 FFEAD0

 FFFFEC

 783221

 783221

■ 782815

■ 783C2D

■ 781F09

■ 784539

■ 781700

■ 784F45

■ 785951

■ 78625D

■ 786C69

■ 787675

■ 787F81

■ 78898D

# Harmonies

## Analogous

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



7E293E



783221



663F08

# Triad

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



783221



005433



184783

# Complementary

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



783221



216778

# 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.



005081



783221



005652

# Square

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



783221



2A5116



00556F



573A76

# Rectangle

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



783221



554601



00556F



004B84



# Sweetspot

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



783221



9C8079



782168



4F3F3A



CFCFCF



4F4F4F



# Same Dimension

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



783221



9C2F14



785C21



3D3837



7D1800



FC3100



# Inverse Universe

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



216778



14819C



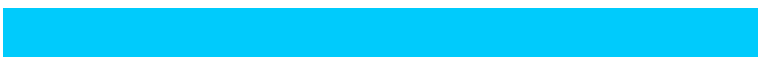
213D78



373C3D



00657D



00CBFC



# Previews

## White Background



This preview shows how the Hex color 783221 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

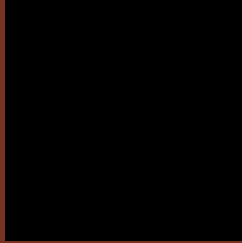
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 783221 Background



This preview shows how black text looks on a background with the Hex color 783221.



This preview shows how white text looks on a background with the Hex color 783221.

# 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**  
783221

**Protanopia**  
504828

**Deuteranopia**  
5A451D



**Tritanopia**  
793033

# Trichromacy



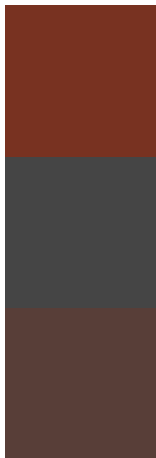
**Original Color**  
783221

**Protanomaly**  
5F4025

**Deuteranomaly**  
653E1E

**Tritanomaly**  
79312C

# Monochromacy



**Original Color**  
783221

**Achromatopsia**  
454545

**Achromatomaly**  
583E38

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 783221 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 #783221 looks like.

```
.text, #text, p{  
    color:#783221  
}
```

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 #783221 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #783221
}
```

## Border

The CSS property to change the border of an element to Hex 783221 is called "border". The border property can be set on classes, ids or directly on the HTML element.

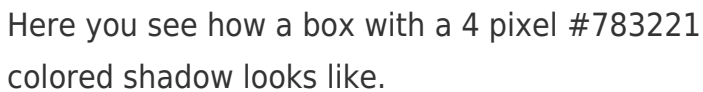
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#783221 }
```

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

```
.border{ border-color:#783221 }
```

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



Here you see how a box with a 4 pixel #783221 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #783221; -webkit-box-shadow:4px 4px  
4px 4px #783221; box-shadow:4px 4px 4px  
4px #783221 }
```

# Background

The CSS property to change the background color of an element to Hex 783221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#783221 }
```

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

```
.background{ background-color:#783221 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor