

# Converting Colors

Hex(683B13)

Have a look what the booklet for  
Hex(683B13) contains.

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**Color**

**Hex(683B13)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	683B13
RGB	104, 59, 19
RGB Percent	41%, 23%, 7%
CMY	0.5922, 0.7686, 0.9255
CMYK	0.00, 0.43, 0.82, 0.59
HSL	28°, 69%, 24%
HSV	28°, 82%, 41%
XYZ	7.3904, 6.1180, 1.4075
YIQ	67.8950, 39.6600, -2.9000

# Conversions

## Conversions Part 2

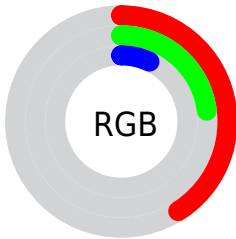
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 95, 19
Decimal	6830867
CIE <sub>Lab</sub>	29.71, 16.39, 31.87
CIE <sub>LCh</sub>	30, 35.838, 62.782
Yxy	6.1180, 0.4955, 0.4102
Android (android.graphics.Color)	4285020947 (0xFF683B13)
YUV	67.8950, -24.1052, 31.6641
Hunter-Lab	24.7346, 10.0483, 13.9404

# Details

The Hex color **683B13** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **134068**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **9F6B40**, and **341000** is the 20% darker color. If you saturate the color by 10%, you get **683509**, and if you desaturate by 10%, it is **68411D**.

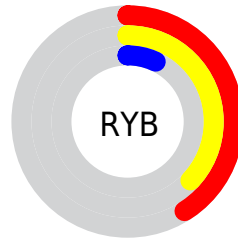
# Distribution



Red (41%)

Green (23%)

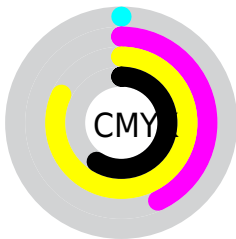
Blue (7%)



Red (41%)

Yellow (37%)

Blue (7%)

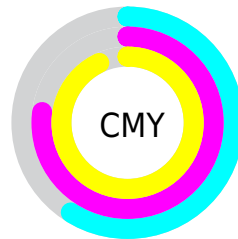


Cyan (0%)

Magenta (43%)

Yellow (82%)

Black (59%)



Cyan (59%)

Magenta (77%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 683B13 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 683B13 by changing the saturation by 10% instead.



 683B13

 683B13

 FFFFFA

 4E2500

 9F6B40

 341000

 BB8458

 1D0001

 D89E71

 000000

 F6B98B

 FFD5A6

 FFF1C1

 FFFFDD

 683B13

 683B13

■ 683509

■ 68411D

■ 683100

■ 684628

■ 684C32

■ 68513D

■ 685747

■ 685C51

■ 68625C

■ 686766

■ 686D71

# Harmonies

## Analogous

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



763029



683B13



524507

# Triad

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



683B13



005348



4A3D75

# Complementary

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



683B13



134068

# 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.



00487E



683B13



005363

# Square

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



683B13



01512B



004F77



6A3160

# Rectangle

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



683B13



404B0D



004F77



3A4179



# Sweetspot

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



683B13



877565



681340



453A30



C4C4C4



454545



# Same Dimension

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



683B13



874103



686513



33302E



733600



F27200



# Inverse Universe

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



134068



034987



131668



2E3133



003D73



0080F2



# Previews

## White Background



This preview shows how the Hex color 683B13 looks on a white background.

## Color Contrast Check

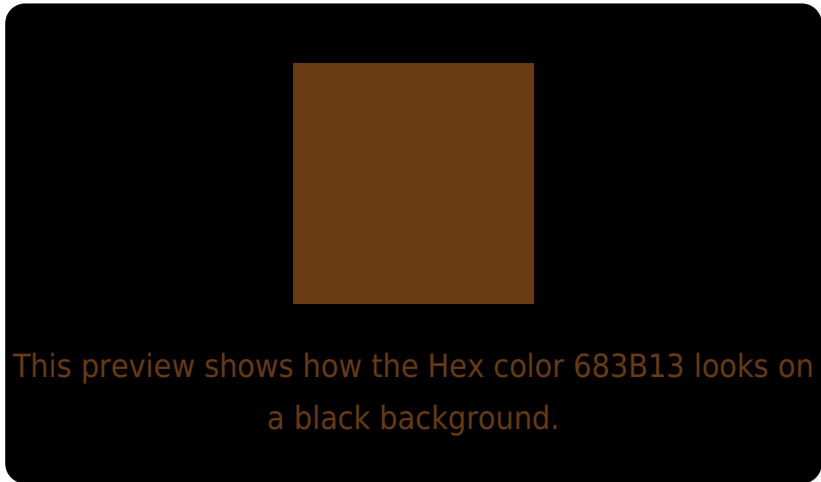
Large Text (above 18pt) WCAG AA ✓ Pass

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 683B13 Background



This preview shows how black text looks on a background with the Hex color 683B13.



This preview shows how white text looks on a background with the Hex color 683B13.

# 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**  
683B13

**Protanopia**  
4F4716

**Deuteranopia**  
594310



**Tritanopia**  
6A373B

# Trichromacy



**Original Color**  
683B13

**Protanomaly**  
584315

**Deuteranomaly**  
5E4011

**Tritanomaly**  
69382C

# Monochromacy



**Original Color**  
683B13

**Achromatopsia**  
444444

**Achromatomaly**  
514132

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 683B13 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 #683B13 looks like.

```
.text, #text, p{  
  color:#683B13  
}
```

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 #683B13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #683B13
}
```

## Border

The CSS property to change the border of an element to Hex 683B13 is called "border". The border property can be set on classes, ids or directly on the HTML element.

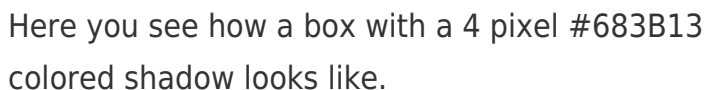
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#683B13 }
```

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

```
.border{ border-color:#683B13 }
```

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



Here you see how a box with a 4 pixel #683B13 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #683B13; -webkit-box-shadow:4px 4px  
4px 4px #683B13; box-shadow:4px 4px 4px  
4px #683B13 }
```

# Background

The CSS property to change the background color of an element to Hex 683B13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#683B13 }
```

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

```
.background{ background-color:#683B13 }
```

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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