

# Converting Colors

Hex(583C23)

Have a look what the booklet for  
Hex(583C23) contains.

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**Color**

**Hex(583C23)**

# Conversions

## Conversions Part 1

Format	Color
Hex	583C23
RGB	88, 60, 35
RGB Percent	35%, 24%, 14%
CMY	0.6549, 0.7647, 0.8627
CMYK	0.00, 0.32, 0.60, 0.65
HSL	28°, 43%, 24%
HSV	28°, 60%, 35%
XYZ	5.9437, 5.4278, 2.3245
YIQ	65.5220, 24.7130, -1.8390

# Conversions

## Conversions Part 2

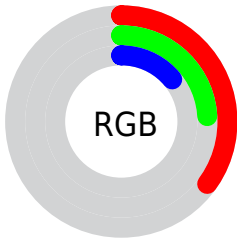
Format	Color
<b>RYB</b>	88, 82, 35
Decimal	5782563
CIELab	27.92, 9.15, 20.24
CIElCh	28, 22.215, 65.676
Yxy	5.4278, 0.4340, 0.3963
Android (android.graphics.Color)	4283972643 (0xFF583C23)
YUV	65.5220, -15.0473, 19.7132
Hunter-Lab	23.2976, 4.7686, 10.3927

# Details

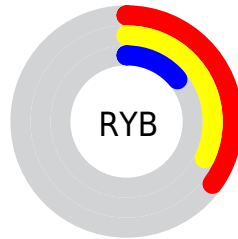
The Hex color **583C23** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **233F58**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **8C6B50**, and **281200** is the 20% darker color. If you saturate the color by 10%, you get **58371A**, and if you desaturate by 10%, it is **58412C**.

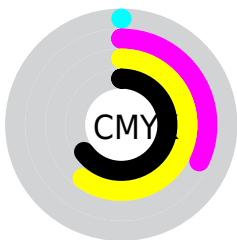
# Distribution



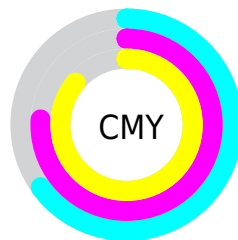
- Red (35%)
- Green (24%)
- Blue (14%)



- Red (35%)
- Yellow (32%)
- Blue (14%)



- Cyan (0%)
- Magenta (32%)
- Yellow (60%)
- Black (65%)



- Cyan (65%)
- Magenta (76%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 583C23 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 583C23 by changing the saturation by 10% instead.



 583C23

 583C23


FFFFFF

 3F260E

 8C6B50

 281200

 A78568

 000000

 C39F82

 DFBA9C

 FCD5B7

 FFF2D2

 FFFFEF

 583C23

 583C23

■ 58371A

■ 58412C

■ 583311

■ 584535

■ 582E09

■ 584A3D

■ 582A00

■ 584F46

■ 58534F

■ 585858

■ 585D61

■ 586169

■ 586672

# Harmonies

## Analogous

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



61362F



583C23



49421F

# Triad

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



583C23



004B45



483C5E

# Complementary

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



583C23



233F58

# 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.



2D4364



583C23



004A55

# Square

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



583C23



224A33



024761



5A3650

# Rectangle

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



583C23



3E4522



024761



403E61



# Sweetspot

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



583C23



73685E



58233F



3B342E



BABABA



3B3B3B



# Same Dimension

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



583C23



734720



585623



2B2927



6B3300



EB6F00



# Inverse Universe

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



233F58



204C73



232558



27292B



00396B



007CEB



# Previews

## White Background



This preview shows how the Hex color 583C23 looks on a white background.

## Color Contrast Check

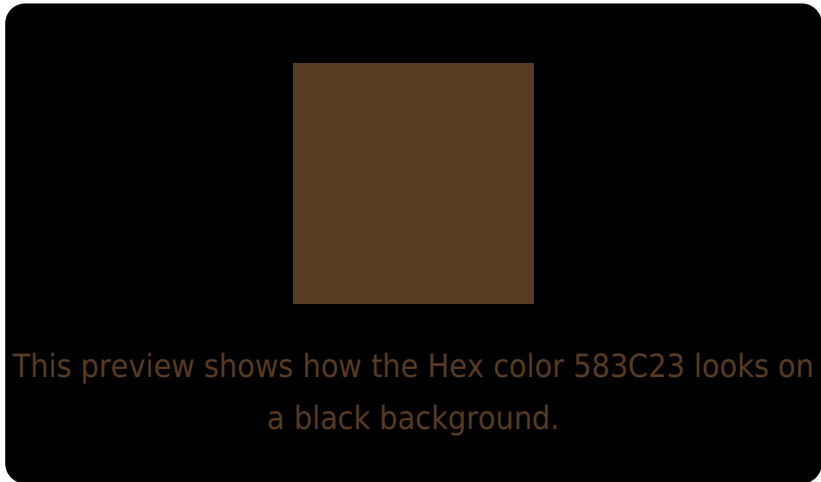
Large Text (above 18pt) WCAG AA ✓ Pass

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

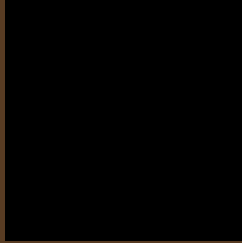
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 583C23 Background



This preview shows how black text looks on a background with the Hex color 583C23.

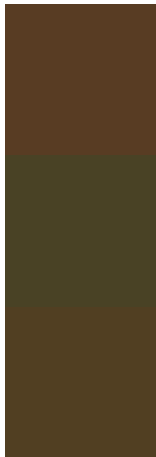


This preview shows how white text looks on a background with the Hex color 583C23.

# 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**  
583C23

**Protanopia**  
494225

**Deuteranopia**  
513F22



**Tritanopia**  
5A393D

# Trichromacy



**Original Color**  
583C23

**Protanomaly**  
4E4024

**Deuteranomaly**  
543E22

**Tritanomaly**  
593A34

# Monochromacy



**Original Color**  
583C23

**Achromatopsia**  
424242

**Achromatomaly**  
4A4037

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 583C23 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 #583C23 looks like.

```
.text, #text, p{  
    color:#583C23  
}
```

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 #583C23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #583C23
}
```

## Border

The CSS property to change the border of an element to Hex 583C23 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".

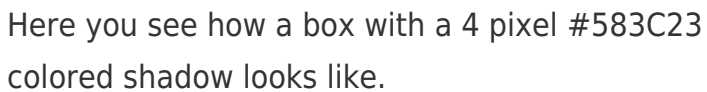
```
.border, #border, table{ border:4px solid
#583C23 }
```

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

```
.border{ border-color:#583C23 }
```

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

Here you see how a box with a 4 pixel #583C23 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #583C23; -webkit-box-shadow:4px 4px  
4px 4px #583C23; box-shadow:4px 4px 4px  
4px #583C23 }
```

# Background

The CSS property to change the background color of an element to Hex 583C23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#583C23 }
```

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

```
.background{ background-color:#583C23 }
```

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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