

# Converting Colors

Hex(55781B)

Have a look what the booklet for  
Hex(55781B) contains.

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**Color**

**Hex(55781B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	55781B
RGB	85, 120, 27
RGB Percent	33%, 47%, 11%
CMY	0.6667, 0.5294, 0.8941
CMYK	0.29, 0.00, 0.78, 0.53
HSL	83°, 63%, 29%
HSV	83°, 78%, 47%
XYZ	10.6606, 15.4434, 3.4559
YIQ	98.9330, 8.9930, -36.3430

# Conversions

## Conversions Part 2

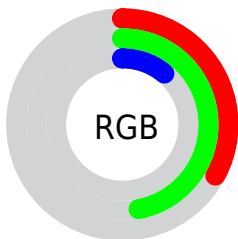
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 120, 62
Decimal	5601307
CIE Lab	46.24, -27.13, 43.98
CIE LCh	46, 51.672, 121.667
Yxy	15.4434, 0.3606, 0.5224
Android (android.graphics.Color)	4283791387 (0xFF55781B)
YUV	98.9330, -35.4630, -12.2192
Hunter-Lab	39.2981, -20.3488, 22.2946

# Details

The Hex color **55781B** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3E1B78**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **8AAD4E**, and **234700** is the 20% darker color. If you saturate the color by 10%, you get **50780F**, and if you desaturate by 10%, it is **5A7827**.

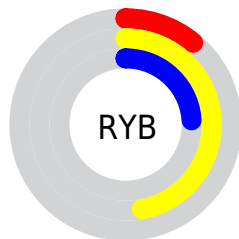
# Distribution



Red (33%)

Green (47%)

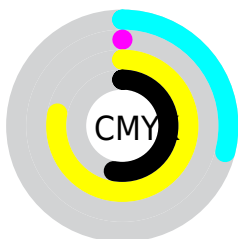
Blue (11%)



Red (11%)

Yellow (47%)

Blue (24%)

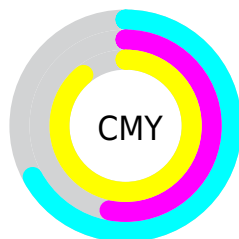


Cyan (29%)

Magenta (0%)

Yellow (78%)

Black (53%)



Cyan (67%)

Magenta (53%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 55781B 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 55781B by changing the saturation by 10% instead.





55781B



55781B

FFFFFF



3B5F00



8AAD4E



234700



A5C868



053000



C1E482



001E00



DEFF9D



000000



FBFFB8



FFFFD5



FFFFF1



55781B



55781B

■ 50780F

■ 5A7827

■ 4C7803

■ 5E7833

■ 4B7800

■ 63783F

■ 67784B

■ 6C7857

■ 707863

■ 75786F

■ 79787B

■ 7E7887

# Harmonies

## Analogous

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



816C04



55781B



007F42

# Triad

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



55781B



007CB9



BA426D

# Complementary

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



55781B



3E1B78

# 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.



A34D97



55781B



0072C4

# Square

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



55781B



00819A



7061B8



B84A43

# Rectangle

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



55781B



008160



7061B8



B5447C



# Sweetspot

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



55781B



8E9C78



783D1B



474F39



CFCFCF



4F4F4F



# Same Dimension

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



55781B



659C0B



27781B



3B3D37



4E7D00



9DFC00



# Inverse Universe

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



3E1B78



410B9C



6C1B78



39373D



2F007D



5F00FC



# Previews

## White Background



This preview shows how the Hex color 55781B looks on a white background.

## Color Contrast Check

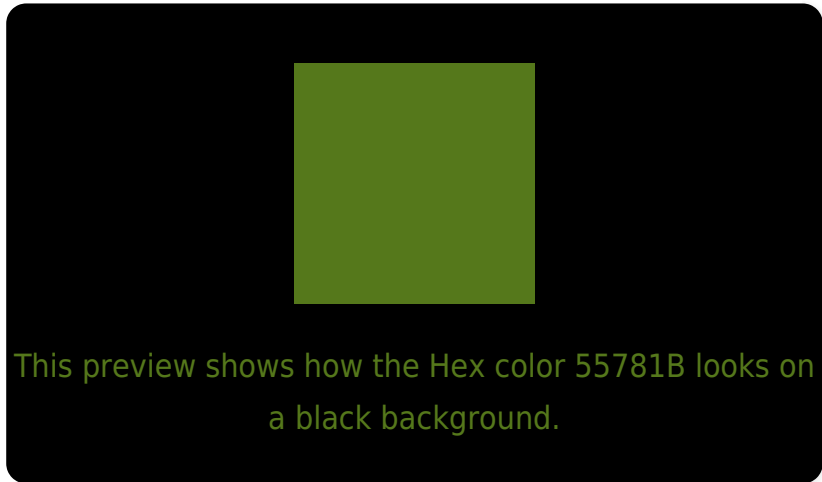
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 55781B Background



This preview shows how black text looks on a background with the Hex color 55781B.



This preview shows how white text looks on a background with the Hex color 55781B.

# 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**  
55781B

**Protanopia**  
7B6D18

**Deuteranopia**  
896822



**Tritanopia**  
607079

# Trichromacy



**Original Color**  
55781B

**Protanomaly**  
6D7119

**Deuteranomaly**  
766E1F

**Tritanomaly**  
5C7357

# Monochromacy



**Original Color**  
55781B

**Achromatopsia**  
636363

**Achromatomaly**  
5E6B49

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 55781B 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 #55781B looks like.

```
.text, #text, p{  
    color:#55781B  
}
```

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 #55781B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55781B
}
```

## Border

The CSS property to change the border of an element to Hex 55781B 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
#55781B }
```

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

```
.border{ border-color:#55781B }
```

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

Here you see how a box with a 4 pixel #55781B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55781B; -webkit-box-shadow:4px 4px  
4px 4px #55781B; box-shadow:4px 4px 4px  
4px #55781B }
```

# Background

The CSS property to change the background color of an element to Hex 55781B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55781B }
```

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

```
.background{ background-color:#55781B }
```

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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