

# Converting Colors

Hex(6C8123)

Have a look what the booklet for  
Hex(6C8123) contains.

<b>Hex(6C8123)</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(6C8123)

# Conversions

## Conversions Part 1

Format	Color
Hex	6C8123
RGB	108, 129, 35
RGB Percent	42%, 51%, 14%
CMY	0.5765, 0.4941, 0.8627
CMYK	0.16, 0.00, 0.73, 0.49
HSL	73°, 57%, 32%
HSV	73°, 73%, 51%
XYZ	14.3380, 19.0100, 4.5037
YIQ	112.0050, 17.6580, -33.6860

# Conversions

## Conversions Part 2

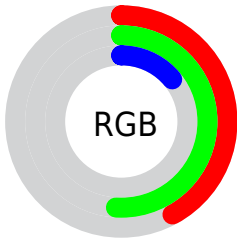
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 129, 56
Decimal	7110947
CIELab	50.70, -21.33, 45.83
CIELCh	51, 50.551, 114.957
Yxy	19.0100, 0.3788, 0.5022
Android (android.graphics.Color)	4285301027 (0xFF6C8123)
YUV	112.0050, -37.9635, -3.5124
Hunter-Lab	43.6005, -17.6013, 24.3960

# Details

The Hex color **6C8123** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **382381**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **A2B656**, and **395000** is the 20% darker color. If you saturate the color by 10%, you get **698116**, and if you desaturate by 10%, it is **6F8130**.

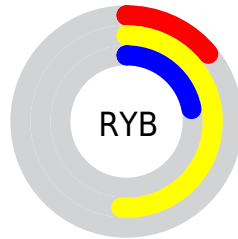
# Distribution



Red (42%)

Green (51%)

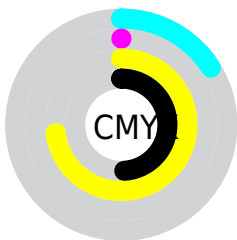
Blue (14%)



Red (14%)

Yellow (51%)

Blue (22%)

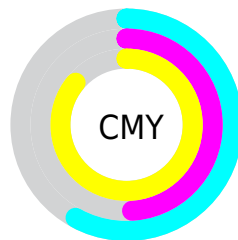


Cyan (16%)

Magenta (0%)

Yellow (73%)

Black (49%)



Cyan (58%)

Magenta (49%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6C8123 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 6C8123 by changing the saturation by 10% instead.





6C8123



6C8123

FFFFFF



526803



A2B656



395000



BED170



203900



DAEE8A



032300



F7FFA6



000500



FFFFC1



000000



FFFFDE



FFFFFB



6C8123



6C8123

■ 698116

■ 6F8130

■ 668109

■ 72813D

■ 648100

■ 75814A

■ 788157

■ 7A8164

■ 7D8170

■ 80817D

■ 83818A

■ 868197

# Harmonies

## Analogous

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



95741A



6C8123



328945

# Triad

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



6C8123



0089BF



C25182

# Complementary

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



6C8123



382381

# 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.



A65EAB



6C8123



0080CF

# Square

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



6C8123



008D9C



6C70C7



C65457

# Rectangle

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



6C8123



008C61



6C70C7



BC5490



# Sweetspot

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



6C8123



A0A883



813723



4F543E



D4D4D4



545454



# Same Dimension

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



6C8123



88A816



3E8123



3E4039



638000



000000



# Inverse Universe

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



382381



3716A8



662381



3B3940



1C0080



000000



# Previews

## White Background



This preview shows how the Hex color 6C8123 looks on a white background.

## Color Contrast Check

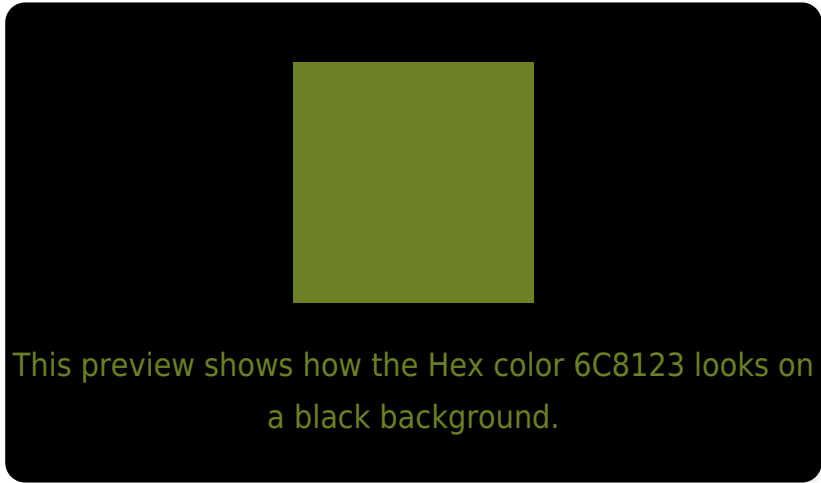
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

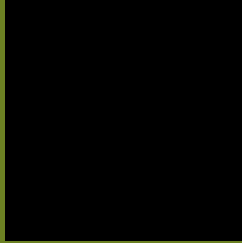
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 6C8123 Background



This preview shows how black text looks on a background with the Hex color 6C8123.



This preview shows how white text looks on a background with the Hex color 6C8123.

# 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**  
6C8123

**Protanopia**  
877921

**Deuteranopia**  
977229



**Tritanopia**  
767882

# Trichromacy



**Original Color**  
6C8123

**Protanomaly**  
7D7C22

**Deuteranomaly**  
877727

**Tritanomaly**  
727B5F

# Monochromacy



**Original Color**  
6C8123

**Achromatopsia**  
707070

**Achromatomaly**  
6F7654

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6C8123 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 #6C8123 looks like.

```
.text, #text, p{  
    color:#6C8123  
}
```

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 #6C8123 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6C8123
}
```

## Border

The CSS property to change the border of an element to Hex 6C8123 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
#6C8123 }
```

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

```
.border{ border-color:#6C8123 }
```

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

Here you see how a box with a 4 pixel #6C8123 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6C8123; -webkit-box-shadow:4px 4px  
4px 4px #6C8123; box-shadow:4px 4px 4px  
4px #6C8123 }
```

# Background

The CSS property to change the background color of an element to Hex 6C8123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6C8123 }
```

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

```
.background{ background-color:#6C8123 }
```

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