

# Converting Colors

Hex(45800A)

Have a look what the booklet for  
Hex(45800A) contains.

<b>Hex(45800A)</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(45800A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	45800A
RGB	69, 128, 10
RGB Percent	27%, 50%, 4%
CMY	0.7294, 0.4980, 0.9608
CMYK	0.46, 0.00, 0.92, 0.50
HSL	90°, 86%, 27%
HSV	90°, 92%, 50%
XYZ	10.2282, 16.7255, 2.9764
YIQ	96.9070, 2.7140, -49.2060

# Conversions

## Conversions Part 2

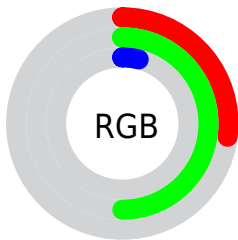
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 128, 69
Decimal	4554762
CIELab	47.91, -37.66, 49.95
CIELCh	48, 62.552, 127.016
Yxy	16.7255, 0.3417, 0.5588
Android (android.graphics.Color)	4282744842 (0xFF45800A)
YUV	96.9070, -42.8452, -24.4744
Hunter-Lab	40.8968, -26.9269, 24.3127

# Details

The Hex color **45800A** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **450A80**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **7BB545**, and **084E00** is the 20% darker color. If you saturate the color by 10%, you get **408000**, and if you desaturate by 10%, it is **4B8017**.

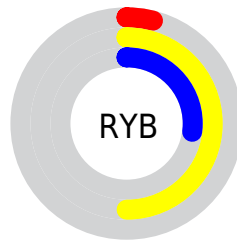
# Distribution



Red (27%)

Green (50%)

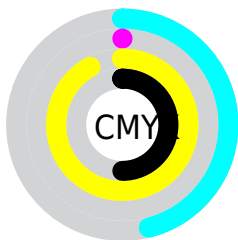
Blue (4%)



Red (4%)

Yellow (50%)

Blue (27%)

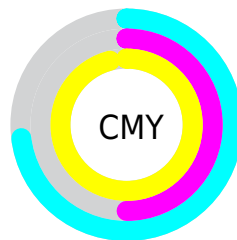


Cyan (46%)

Magenta (0%)

Yellow (92%)

Black (50%)



Cyan (73%)

Magenta (50%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45800A 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 45800A by changing the saturation by 10% instead.



 45800A

 45800A

FFFFFF

 296700

 7BB545

 084E00

 97D15F

 003600

 B3EE7A

 002300

 CFFF94

 000000

 EDFFB0

 FFFFCC

 FFFF99

 45800A

 45800A

■ 408000

■ 4B8017

■ 528024

■ 588030

■ 5F803D

■ 65804A

■ 6B8057

■ 728064

■ 788070

■ 7F807D

# Harmonies

## Analogous

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



7E7300



45800A



008746

# Triad

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



45800A



0082D3



CE3668

# Complementary

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



45800A



450A80

# 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.



B9429C



45800A



0074DB

# Square

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



45800A



0088B0



815EC7



C64635

# Rectangle

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



45800A



00896B



815EC7



CB3779



# Sweetspot

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



45800A



8FA677



80450A



465438



D4D4D4



545454



# Same Dimension

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



45800A



53A600



0A800A



3D4039



408000



000000



# Inverse Universe

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



450A80



5300A6



800A80



3D3940



400080



000000



# Previews

## White Background



This preview shows how the Hex color 45800A looks on a white background.

## Color Contrast Check

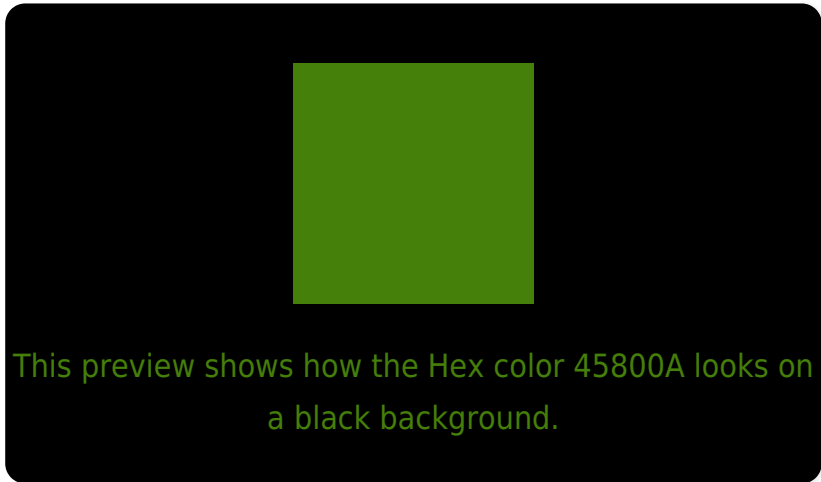
Large Text (above 18pt) WCAG AA ✓ Pass

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 45800A Background



This preview shows how black text looks on a background with the Hex color 45800A.



This preview shows how white text looks on a background with the Hex color 45800A.

# 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**  
45800A

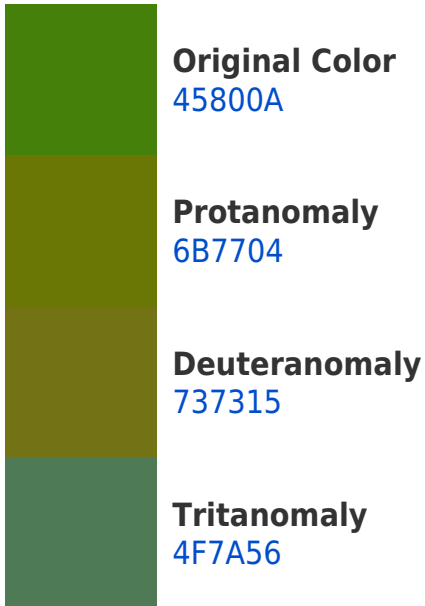
**Protanopia**  
807200

**Deuteranopia**  
8E6B1B

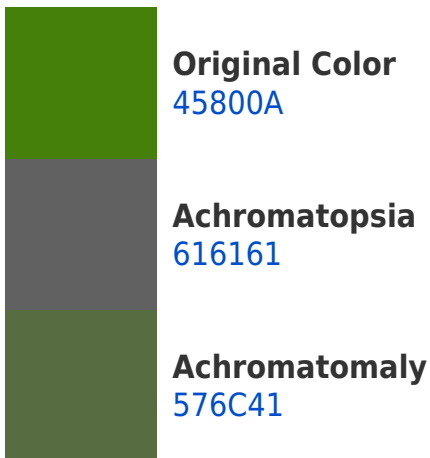


**Tritanopia**  
557781

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45800A 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 #45800A looks like.

```
.text, #text, p{  
    color:#45800A  
}
```

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 #45800A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45800A
}
```

## Border

The CSS property to change the border of an element to Hex 45800A 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
#45800A }
```

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

```
.border{ border-color:#45800A }
```

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

Here you see how a box with a 4 pixel #45800A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45800A; -webkit-box-shadow:4px 4px  
4px 4px #45800A; box-shadow:4px 4px 4px  
4px #45800A }
```

# Background

The CSS property to change the background color of an element to Hex 45800A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45800A }
```

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

```
.background{ background-color:#45800A }
```

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