

Converting Colors

Hex(00580A)

Have a look what the booklet for
Hex(00580A) contains.

Hex(00580A)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(00580A)

Conversions

Conversions Part 1

Format	Color
Hex	00580A
RGB	0, 88, 10
RGB Percent	0%, 35%, 4%
CMY	1.0000, 0.6549, 0.9608
CMYK	1.00, 0.00, 0.89, 0.65
HSL	127°, 100%, 17%
HSV	127°, 100%, 35%
XYZ	3.5445, 7.0014, 1.4517
YIQ	52.7960, -27.4100, -42.9140

Conversions

Conversions Part 2

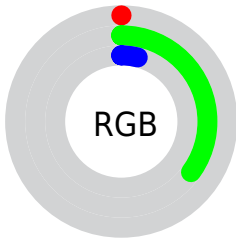
Format	Color
RYB	0, 79, 88
Decimal	22538
CIELab	31.81, -39.03, 35.01
CIELCh	32, 52.428, 138.110
Yxy	7.0014, 0.2954, 0.5836
Android (android.graphics.Color)	4278212618 (0xFF00580A)
YUV	52.7960, -21.0984, -46.3021
Hunter-Lab	26.4601, -22.3939, 15.2691

Details

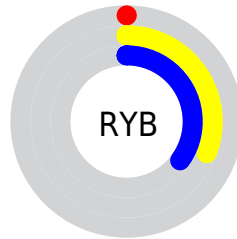
The Hex color **00580A** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **58004E**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **438B3C**, and **002A00** is the 20% darker color. If you saturate the color by 10%, you get **00580A**, and if you desaturate by 10%, it is **095812**.

Distribution



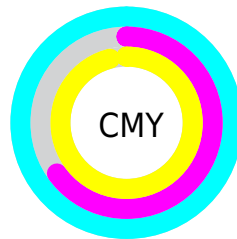
- Red (0%)
- Green (35%)
- Blue (4%)



- Red (0%)
- Yellow (31%)
- Blue (35%)



- Cyan (100%)
- Magenta (0%)
- Yellow (89%)
- Black (65%)



- Cyan (100%)
- Magenta (65%)
- Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00580A 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 00580A by changing the saturation by 10% instead.

 00580A

 00580A

 FFFFF7

 004000

 438B3C

 002A00

 5EA654

 000C00

 79C16E

 000000

 94DD88

 B0FAA2

 CCFFBE

 E9FFDA

 00580A

■ 095812

■ 12581A

■ 1A5821

■ 235829

■ 2C5831

■ 355839

■ 3E5841

■ 465848

■ 4F5850

Harmonies

Analogous

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



455000



00580A



005C38

Triad

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



00580A



00559C



921934

Complementary

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



00580A



58004E

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.



8B1A5D



00580A



13479A

Square

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



00580A



005B88



6A3282



842F0B

Rectangle

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



00580A



005D55



6A3282



921442

Sweetspot

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



00580A



507354



4F5800



263B28



BABABA



3B3B3B

Same Dimension

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



00580A



00730D



005835



272B28



006B0C



00EB1B

Inverse Universe

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



58004E



730066



580023



2B272B



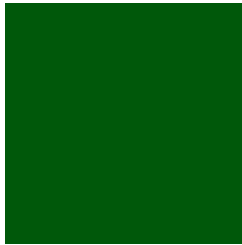
6B005F



EB00D0

Previews

White Background



This preview shows how the Hex color 00580A looks on a white background.

Color Contrast Check

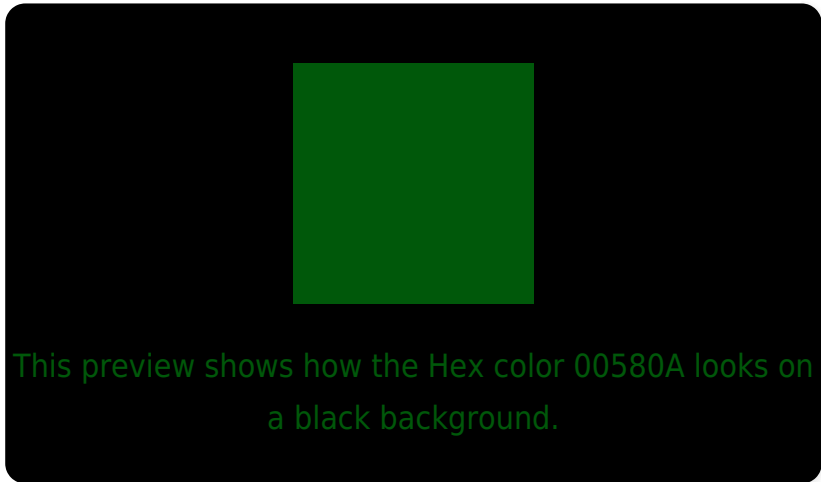
Large Text (above 18pt) WCAG AA ✓ Pass

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

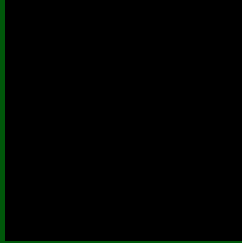
Any Text WCAG AA × Fail

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 00580A Background



This preview shows how black text looks on a background with the Hex color 00580A.



This preview shows how white text looks on a background with the Hex color 00580A.

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](#).

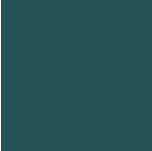
Dichromacy



Original Color
00580A

Protanopia
554B05

Deuteranopia
5E4715



Tritanopia
255258

Trichromacy



Original Color
00580A



Protanomaly
365007



Deuteranomaly
3C4D11

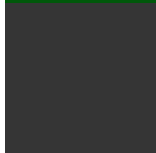


Tritanomaly
18543C

Monochromacy



Original Color
00580A



Achromatopsia
353535



Achromatomaly
224225

CSS Examples

Text

The CSS property to change the color of the text to Hex 00580A 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 #00580A looks like.

```
.text, #text, p{  
    color:#00580A  
}
```

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 #00580A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00580A
}
```

Border

The CSS property to change the border of an element to Hex 00580A is called "border". The border property can be set on classes, ids or directly on the HTML element.

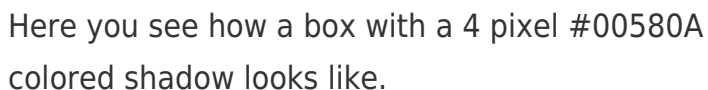
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00580A }
```

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

```
.border{ border-color:#00580A }
```

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



Here you see how a box with a 4 pixel #00580A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00580A; -webkit-box-shadow:4px 4px  
4px 4px #00580A; box-shadow:4px 4px 4px  
4px #00580A }
```

Background

The CSS property to change the background color of an element to Hex 00580A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00580A }
```

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

```
.background{ background-color:#00580A }
```

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