

# Converting Colors

Hex(285716)

Have a look what the booklet for  
Hex(285716) contains.

<b>Hex(285716)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(285716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	285716
RGB	40, 87, 22
RGB Percent	16%, 34%, 9%
CMY	0.8431, 0.6588, 0.9137
CMYK	0.54, 0.00, 0.75, 0.66
HSL	103°, 60%, 21%
HSV	103°, 75%, 34%
XYZ	4.4281, 7.3254, 1.9396
YIQ	65.5370, -7.1470, -30.1790

# Conversions

## Conversions Part 2

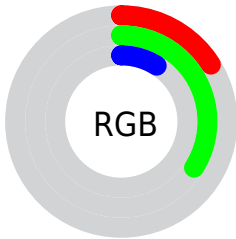
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 87, 69
Decimal	2643734
CIE <sub>Lab</sub>	32.54, -29.30, 31.45
CIE <sub>LCh</sub>	33, 42.981, 132.969
Yxy	7.3254, 0.3234, 0.5350
Android (android.graphics.Color)	4280833814 (0xFF285716)
YUV	65.5370, -21.4637, -22.3959
Hunter-Lab	27.0655, -18.1610, 14.6969

# Details

The Hex color **285716** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **451657**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **5A8945**, and **002900** is the 20% darker color. If you saturate the color by 10%, you get **22570D**, and if you desaturate by 10%, it is **2E571F**.

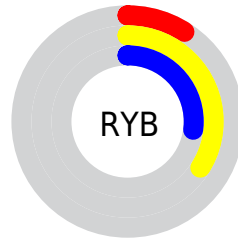
# Distribution



Red (16%)

Green (34%)

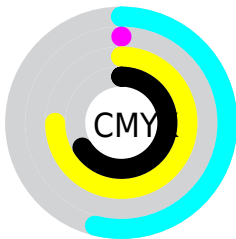
Blue (9%)



Red (9%)

Yellow (34%)

Blue (27%)

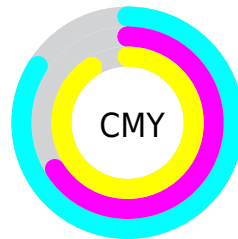


Cyan (54%)

Magenta (0%)

Yellow (75%)

Black (66%)



Cyan (84%)

Magenta (66%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 285716 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 285716 by changing the saturation by 10% instead.



 285716

 285716

FFFFFF

 0D3F00

 5A8945

 002900

 74A45E

 001000

 8FBF77

 000000

 AADB91

 C6F8AC

 E2FFC7

 FFFFE4

 285716

 285716

■ 22570D

■ 2E571F

■ 1B5705

■ 355727

■ 185700

■ 3B5730

■ 415739

■ 475742

■ 4E574A

■ 545753

■ 5A575C

■ 615764

# Harmonies

## Analogous

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



4F5000



285716



005B37

# Triad

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



285716



00568D



892A3F

# Complementary

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



285716



451657

# 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.



7F2E61



285716



1C4C8F

# Square

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



285716



005B7A



603D7E



813520

# Rectangle

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



285716



005C4F



603D7E



88294B



# Sweetspot

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



285716



5E7058



574516



2E382A



B8B8B8



383838



# Same Dimension

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



285716



27700B



165724



282B27



1E6B00



41EB00



# Inverse Universe

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



451657



540B70



571649



2A272B



4D006B

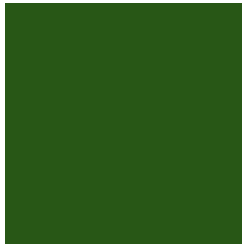


AA00EB



# Previews

## White Background



This preview shows how the Hex color 285716 looks on a white background.

## Color Contrast Check

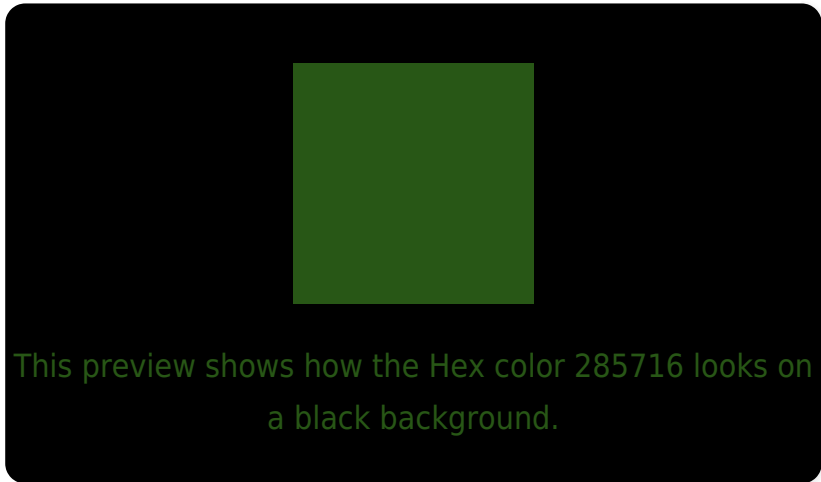
Large Text (above 18pt) WCAG AA ✓ Pass

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

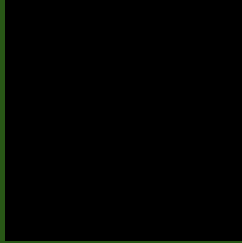
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 285716 Background



This preview shows how black text looks on a background with the Hex color 285716.



This preview shows how white text looks on a background with the Hex color 285716.

# 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**  
285716

**Protanopia**  
564D13

**Deuteranopia**  
5F491C



**Tritanopia**  
345158

# Trichromacy



**Original Color**  
285716

**Protanomaly**  
455114

**Deuteranomaly**  
4B4E1A

**Tritanomaly**  
305340

# Monochromacy



**Original Color**  
285716

**Achromatopsia**  
424242

**Achromatomaly**  
394A32

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 285716 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 #285716 looks like.

```
.text, #text, p{  
    color:#285716  
}
```

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 #285716 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #285716
}
```

## Border

The CSS property to change the border of an element to Hex 285716 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".

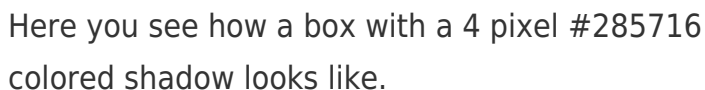
```
.border, #border, table{ border:4px solid
#285716 }
```

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

```
.border{ border-color:#285716 }
```

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

Here you see how a box with a 4 pixel #285716 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #285716; -webkit-box-shadow:4px 4px  
4px 4px #285716; box-shadow:4px 4px 4px  
4px #285716 }
```

# Background

The CSS property to change the background color of an element to Hex 285716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#285716 }
```

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

```
.background{ background-color:#285716 }
```

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