

# Converting Colors

Hex(285322)

Have a look what the booklet for  
Hex(285322) contains.

<b>Hex(285322)</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(285322)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	285322
RGB	40, 83, 34
RGB Percent	16%, 33%, 13%
CMY	0.8431, 0.6745, 0.8667
CMYK	0.52, 0.00, 0.59, 0.67
HSL	113°, 42%, 23%
HSV	113°, 59%, 33%
XYZ	4.2571, 6.7531, 2.5925
YIQ	64.5570, -9.8990, -24.3550

# Conversions

## Conversions Part 2

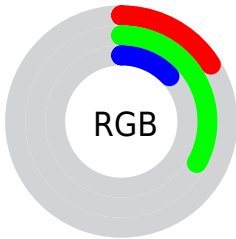
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 83, 77
Decimal	2642722
CIE <sub>Lab</sub>	31.24, -26.05, 23.91
CIE <sub>LCh</sub>	31, 35.355, 137.451
Yxy	6.7531, 0.3130, 0.4965
Android (android.graphics.Color)	4280832802 (0xFF285322)
YUV	64.5570, -15.0646, -21.5365
Hunter-Lab	25.9868, -16.2356, 12.2759

# Details

The Hex color **285322** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **4D2253**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **598550**, and **002600** is the 20% darker color. If you saturate the color by 10%, you get **21531A**, and if you desaturate by 10%, it is **2F532A**.

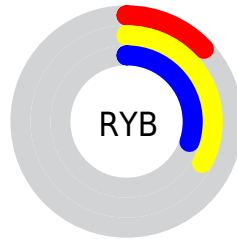
# Distribution



Red (16%)

Green (33%)

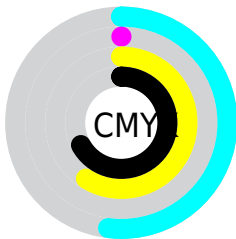
Blue (13%)



Red (13%)

Yellow (33%)

Blue (30%)

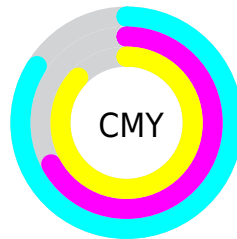


Cyan (52%)

Magenta (0%)

Yellow (59%)

Black (67%)



Cyan (84%)

Magenta (67%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 285322 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 285322 by changing the saturation by 10% instead.



 285322

 285322

FFFFFF

 0F3C0C

 598550

 002600

 729F68

 000800

 8DBA82

 000000

 A8D69C

 C3F3B7

 E0FFD3

 FCFEF

 285322

 285322

■ 21531A

■ 2F532A

■ 195311

■ 375333

■ 125309

■ 3E533B

■ 0B5301

■ 455343

■ 0A5300

■ 4C534B

■ 545354

■ 5B535C

■ 625364

■ 6A536D

# Harmonies

## Analogous

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



494D0F



285322



00563D

# Triad

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



285322



00507F



7C313B

# Complementary

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



285322



4D2253

# 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.



763156



285322



34477E

# Square

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



285322



005572



5F3B6F



743922

# Rectangle

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



285322



005750



5F3B6F



7C3044



# Sweetspot

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



285322



5A6B58



534C22



2B362A



B5B5B5



363636



# Same Dimension

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



285322



286B1F



225334



252925



0D6900



1CE800



# Inverse Universe

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



4D2253



621F6B



532241



282529



5C0069

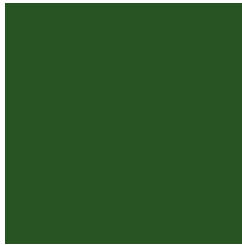


CC00E8



# Previews

## White Background



This preview shows how the Hex color 285322 looks on a white background.

## Color Contrast Check

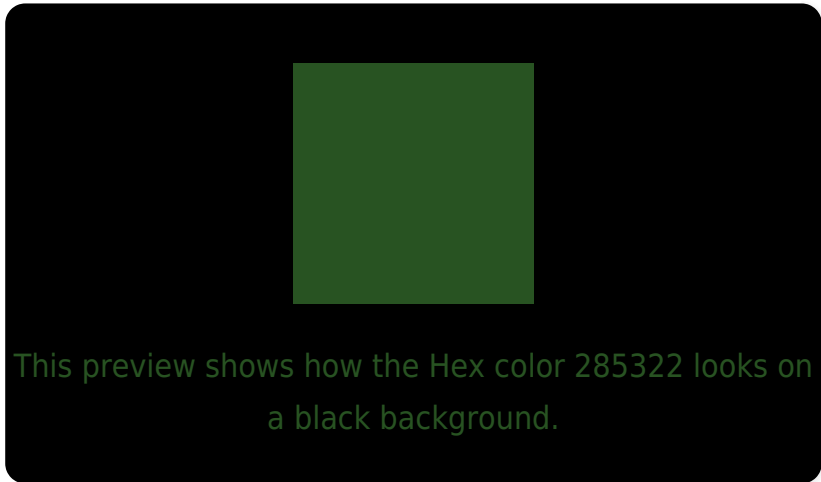
Large Text (above 18pt) WCAG AA ✓ Pass

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

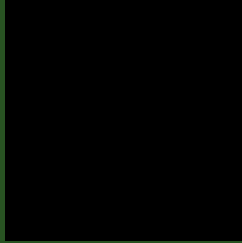
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 285322 Background



This preview shows how black text looks on a background with the Hex color 285322.



This preview shows how white text looks on a background with the Hex color 285322.

# 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**  
285322

**Protanopia**  
52491F

**Deuteranopia**  
5A4626



**Tritanopia**  
324E54

# Trichromacy



**Original Color**  
285322

**Protanomaly**  
434D20

**Deuteranomaly**  
484B25

**Tritanomaly**  
2E5042

# Monochromacy



**Original Color**  
285322

**Achromatopsia**  
414141

**Achromatomaly**  
384836

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 285322 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 #285322 looks like.

```
.text, #text, p{  
    color:#285322  
}
```

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 #285322 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #285322
}
```

## Border

The CSS property to change the border of an element to Hex 285322 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".

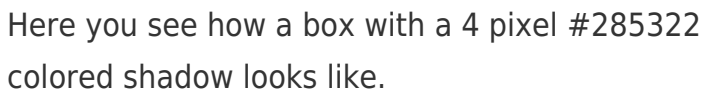
```
.border, #border, table{ border:4px solid
#285322 }
```

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

```
.border{ border-color:#285322 }
```

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

Here you see how a box with a 4 pixel #285322 colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The box is white with a thin dark green border on the top and left sides, and a thicker dark green shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #285322; -webkit-box-shadow:4px 4px  
4px 4px #285322; box-shadow:4px 4px 4px  
4px #285322 }
```

# Background

The CSS property to change the background color of an element to Hex 285322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#285322 }
```

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

```
.background{ background-color:#285322 }
```

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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