

# Converting Colors

Hex(283E16)

Have a look what the booklet for  
Hex(283E16) contains.

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# Color

**Hex(283E16)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	283E16
RGB	40, 62, 22
RGB Percent	16%, 24%, 9%
CMY	0.8431, 0.7569, 0.9137
CMYK	0.35, 0.00, 0.65, 0.76
HSL	93°, 48%, 16%
HSV	93°, 65%, 24%
XYZ	2.7425, 3.9543, 1.3778
YIQ	50.8620, -0.2720, -17.1040

# Conversions

## Conversions Part 2

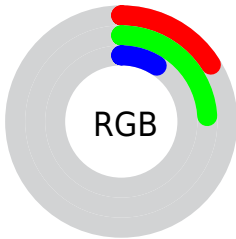
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 62, 44
Decimal	2637334
CIE <sub>Lab</sub>	23.52, -16.99, 21.53
CIE <sub>LCh</sub>	24, 27.425, 128.268
Yxy	3.9543, 0.3396, 0.4897
Android (android.graphics.Color)	4280827414 (0xFF283E16)
YUV	50.8620, -14.2290, -9.5260
Hunter-Lab	19.8854, -10.1815, 9.8119

# Details

The Hex color **283E16** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **2C163E**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **576E42**, and **001500** is the 20% darker color. If you saturate the color by 10%, you get **253E10**, and if you desaturate by 10%, it is **2B3E1C**.

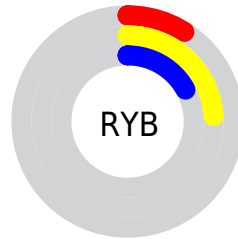
# Distribution



Red (16%)

Green (24%)

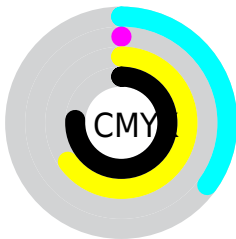
Blue (9%)



Red (9%)

Yellow (24%)

Blue (17%)

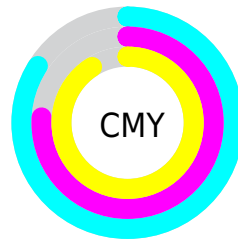


Cyan (35%)

Magenta (0%)

Yellow (65%)

Black (76%)



Cyan (84%)

Magenta (76%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 283E16 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 283E16 by changing the saturation by 10% instead.



 283E16

 283E16

 FFFFFB

 142800

 576E42

 001500

 70875A

 000000

 89A173

 A4BC8D

 BFD8A7

 DBF5C2

 F8FFDE

 283E16

 283E16

■ 253E10

■ 2B3E1C

■ 213E0A

■ 2F3E22

■ 1E3E03

■ 323E29

■ 1C3E00

■ 363E2F

■ 393E35

■ 3C3E3B

■ 403E41

■ 433E48

■ 473E4E

# Harmonies

## Analogous

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



3E390C



283E16



034128

# Triad

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



283E16



003E5E



5E2533

# Complementary

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



283E16



2C163E

# 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.



552848



283E16



1B3861

# Square

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



283E16



004151



413058



5B2A20

# Rectangle

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



283E16



004236



413058



5C263A



# Sweetspot

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



283E16



495242



3E2C16



24291F



A8A8A8



292929



# Same Dimension

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



283E16



2F5213



163E18



1D1F1C



2A5E00



64DE00



# Inverse Universe

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



2C163E



351352



3E163C



1D1C1F



34005E

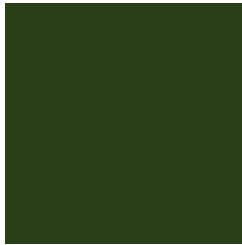


7A00DE



# Previews

## White Background



This preview shows how the Hex color 283E16 looks on a white background.

## Color Contrast Check

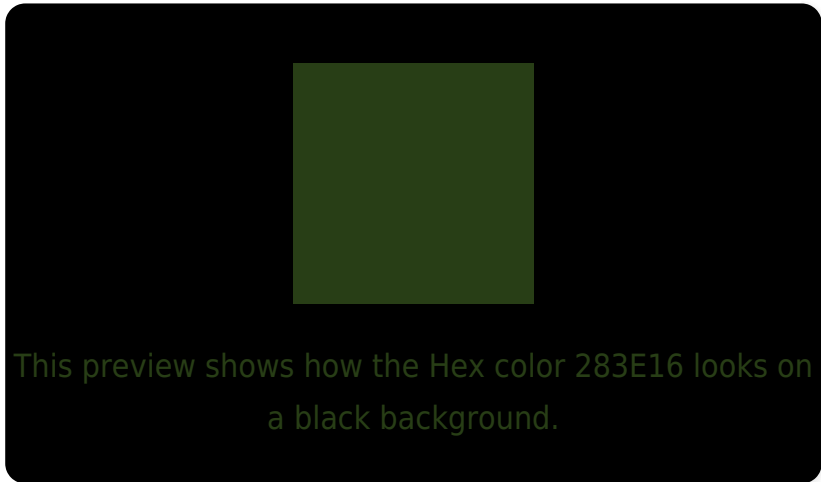
Large Text (above 18pt) WCAG AA ✓ Pass

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

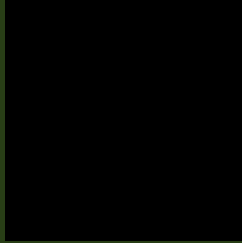
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 283E16 Background



This preview shows how black text looks on a background with the Hex color 283E16.



This preview shows how white text looks on a background with the Hex color 283E16.

# 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**  
283E16

**Protanopia**  
3F3814

**Deuteranopia**  
453519



**Tritanopia**  
2E3A3F

# Trichromacy



**Original Color**  
283E16

**Protanomaly**  
373A15

**Deuteranomaly**  
3A3818

**Tritanomaly**  
2C3B30

# Monochromacy



**Original Color**  
283E16

**Achromatopsia**  
333333

**Achromatomaly**  
2F3728

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 283E16 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 #283E16 looks like.

```
.text, #text, p{  
    color:#283E16  
}
```

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 #283E16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #283E16
}
```

## Border

The CSS property to change the border of an element to Hex 283E16 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".

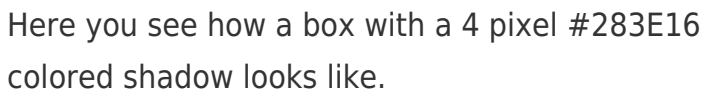
```
.border, #border, table{ border:4px solid
#283E16 }
```

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

```
.border{ border-color:#283E16 }
```

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

Here you see how a box with a 4 pixel #283E16 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 #283E16; -webkit-box-shadow:4px 4px  
4px 4px #283E16; box-shadow:4px 4px 4px  
4px #283E16 }
```

# Background

The CSS property to change the background color of an element to Hex 283E16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#283E16 }
```

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

```
.background{ background-color:#283E16 }
```

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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