

# Converting Colors

Hex(284B14)

Have a look what the booklet for  
Hex(284B14) contains.

<b>Hex(284B14)</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(284B14)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	284B14
RGB	40, 75, 20
RGB Percent	16%, 29%, 8%
CMY	0.8431, 0.7059, 0.9216
CMYK	0.47, 0.00, 0.73, 0.71
HSL	98°, 58%, 19%
HSV	98°, 73%, 29%
XYZ	3.5174, 5.5338, 1.5446
YIQ	58.2650, -3.2050, -24.5250

# Conversions

## Conversions Part 2

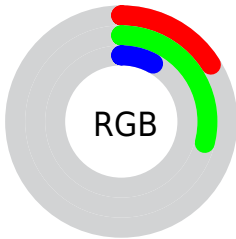
<b>Format</b>	<b>Color</b>
<b>RYB</b>	20, 75, 55
Decimal	2640660
CIELab	28.20, -23.91, 27.80
CIELCh	28, 36.670, 130.703
Yxy	5.5338, 0.3320, 0.5223
Android (android.graphics.Color)	4280830740 (0xFF284B14)
YUV	58.2650, -18.8646, -16.0184
Hunter-Lab	23.5240, -14.4768, 12.5739

# Details

The Hex color **284B14** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **37144B**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **597C42**, and **002000** is the 20% darker color. If you saturate the color by 10%, you get **234B0C**, and if you desaturate by 10%, it is **2D4B1B**.

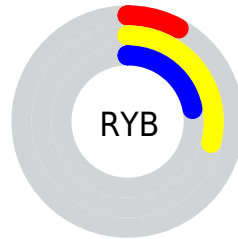
# Distribution



Red (16%)

Green (29%)

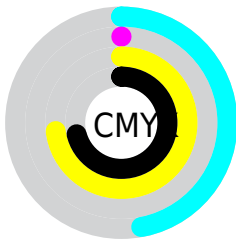
Blue (8%)



Red (8%)

Yellow (29%)

Blue (22%)

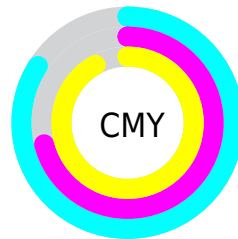


Cyan (47%)

Magenta (0%)

Yellow (73%)

Black (71%)



Cyan (84%)

Magenta (71%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 284B14 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 284B14 by changing the saturation by 10% instead.



 284B14

 284B14

FFFFFFC

 113400

 597C42

 002000

 72965A

 000000

 8CB173

 A7CD8D

 C3E9A7

 DFFFC3

 FCFFDF

 284B14

 284B14

■ 234B0C

■ 2D4B1B

■ 1E4B05

■ 324B23

■ 1B4B00

■ 364B2B

■ 3B4B32

■ 404B3A

■ 454B41

■ 494B49

■ 4E4B50

■ 534B57

# Harmonies

## Analogous

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



474402



284B14



004F2F

# Triad

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



284B14



004B78



75273A

# Complementary

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



284B14



37144B

# 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.



6C2A56



284B14



17427A

# Square

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



284B14



004F67



51366E



702F1F

# Rectangle

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



284B14



005042



51366E



742743



# Sweetspot

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



284B14



53614C



4B3714



283024



B0B0B0



303030



# Same Dimension

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



284B14



2B610C



144B1B



242622



256600



53E600



# Inverse Universe

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



37144B



420C61



4B1444



252226



410066

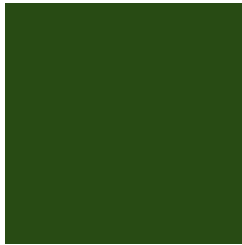


9200E6



# Previews

## White Background



This preview shows how the Hex color 284B14 looks on a white background.

## Color Contrast Check

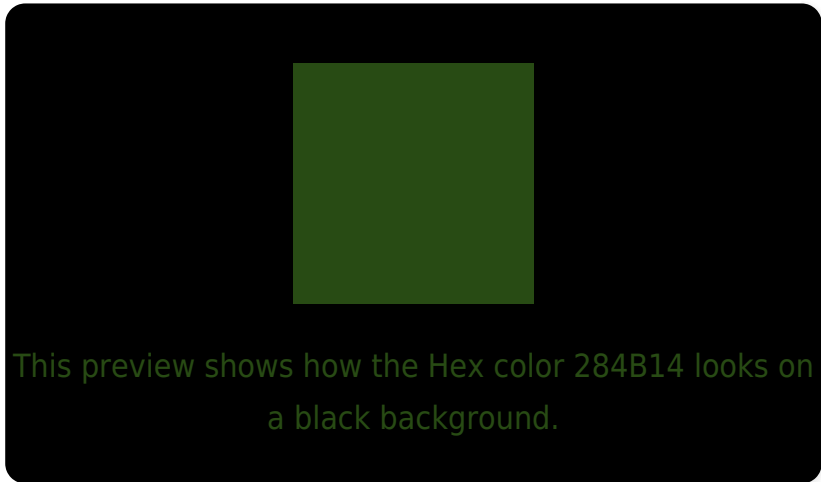
Large Text (above 18pt) WCAG AA ✓ Pass

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

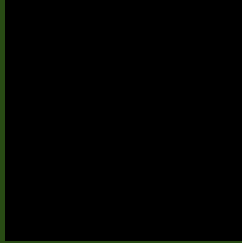
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 284B14 Background



This preview shows how black text looks on a background with the Hex color 284B14.



This preview shows how white text looks on a background with the Hex color 284B14.

# 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](#).

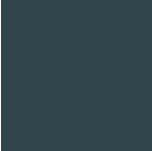
## Dichromacy



**Original Color**  
284B14

**Protanopia**  
4B4312

**Deuteranopia**  
533F19



**Tritanopia**  
31464C

# Trichromacy



**Original Color**  
284B14

**Protanomaly**  
3E4613

**Deuteranomaly**  
434317

**Tritanomaly**  
2E4838

# Monochromacy



**Original Color**  
284B14

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
33402C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 284B14 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 #284B14 looks like.

```
.text, #text, p{  
    color:#284B14  
}
```

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 #284B14 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #284B14
}
```

## Border

The CSS property to change the border of an element to Hex 284B14 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
#284B14 }
```

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

```
.border{ border-color:#284B14 }
```

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

Here you see how a box with a 4 pixel #284B14 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #284B14; -webkit-box-shadow:4px 4px  
4px 4px #284B14; box-shadow:4px 4px 4px  
4px #284B14 }
```

# Background

The CSS property to change the background color of an element to Hex 284B14 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#284B14 }
```

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

```
.background{ background-color:#284B14 }
```

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