

# Converting Colors

Hex(308320)

Have a look what the booklet for  
Hex(308320) contains.

<b>Hex(308320)</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(308320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	308320
RGB	48, 131, 32
RGB Percent	19%, 51%, 13%
CMY	0.8118, 0.4863, 0.8745
CMYK	0.63, 0.00, 0.76, 0.49
HSL	110°, 61%, 32%
HSV	110°, 76%, 51%
XYZ	9.5959, 16.9653, 4.1354
YIQ	94.8970, -17.6890, -48.3850

# Conversions

## Conversions Part 2

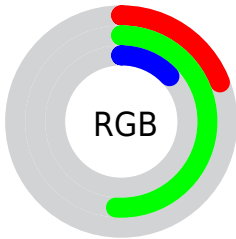
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 131, 115
Decimal	3179296
CIE Lab	48.22, -43.97, 43.49
CIE LCh	48, 61.848, 135.317
Yxy	16.9653, 0.3126, 0.5527
Android (android.graphics.Color)	4281369376 (0xFF308320)
YUV	94.8970, -31.0082, -41.1287
Hunter-Lab	41.1889, -30.4948, 22.8795

# Details

The Hex color **308320** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **732083**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **69B953**, and **005000** is the 20% darker color. If you saturate the color by 10%, you get **258313**, and if you desaturate by 10%, it is **3B832D**.

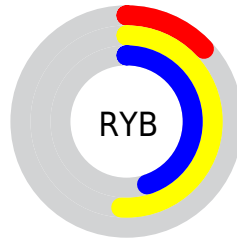
# Distribution



Red (19%)

Green (51%)

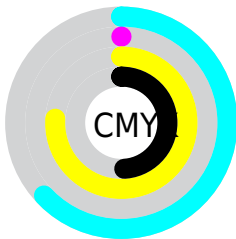
Blue (13%)



Red (13%)

Yellow (51%)

Blue (45%)

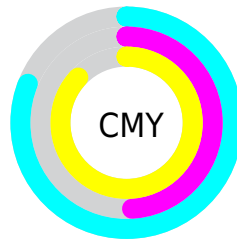


Cyan (63%)

Magenta (0%)

Yellow (76%)

Black (49%)



Cyan (81%)

Magenta (49%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 308320 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 308320 by changing the saturation by 10% instead.



 308320

 308320

FFFFFF

 096900

 69B953

 005000

 84D56D

 003800

 A0F287

 002300

 BDFFA2

 000000

 DAFFBE

 F7FFDA

 FFFFF7

 308320

 308320

■ 258313

■ 3B832D

■ 1A8306

■ 46833A

■ 158300

■ 518347

■ 5C8354

■ 678362

■ 72836F

■ 7D837C

■ 888389

■ 938396

# Harmonies

## Analogous

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



717800



308320



008856

# Triad

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



308320



0080D8



CE3A5A

# Complementary

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



308320



732083

# 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.



C23E8E



308320



2B70D8

# Square

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



308320



0088BC



9657BD



C04F29

# Rectangle

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



308320



008A7B



9657BD



CE386B



# Sweetspot

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



308320



8AAB84



837320



42573E



D6D6D6



575757



# Same Dimension

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



308320



29AB0F



208341



3D423C



158200



000300



# Inverse Universe

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



732083



920FAB



832062



413C42



6D0082



020003



# Previews

## White Background



This preview shows how the Hex color 308320 looks on a white background.

## Color Contrast Check

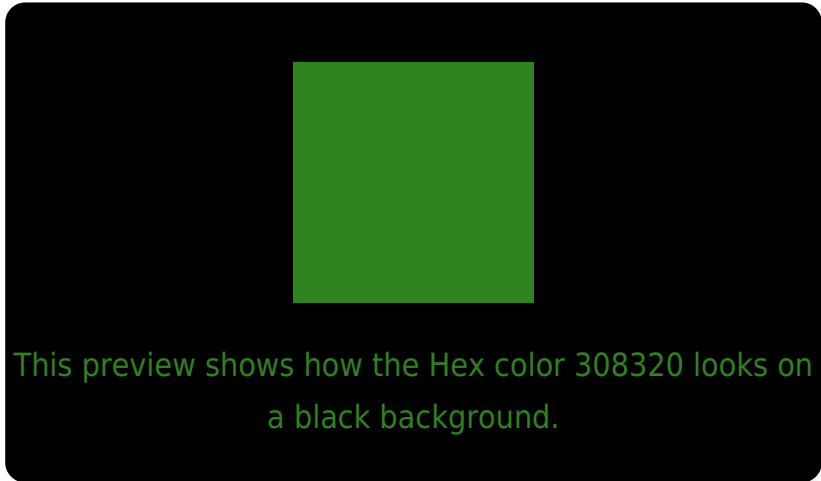
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 308320 Background



This preview shows how black text looks on a background with the Hex color 308320.



This preview shows how white text looks on a background with the Hex color 308320.

# 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**  
308320

**Protanopia**  
80721C

**Deuteranopia**  
8E6C29



**Tritanopia**  
467A84

# Trichromacy



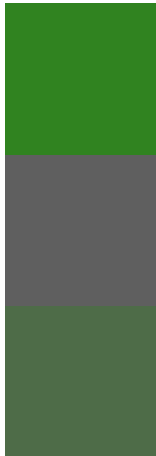
**Original Color**  
308320

**Protanomaly**  
63781D

**Deuteranomaly**  
6C7426

**Tritanomaly**  
3E7D60

# Monochromacy



**Original Color**  
308320

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
4E6C48

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 308320 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 #308320 looks like.

```
.text, #text, p{  
    color:#308320  
}
```

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 #308320 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #308320
}
```

## Border

The CSS property to change the border of an element to Hex 308320 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
#308320 }
```

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

```
.border{ border-color:#308320 }
```

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

Here you see how a box with a 4 pixel #308320 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #308320; -webkit-box-shadow:4px 4px  
4px 4px #308320; box-shadow:4px 4px 4px  
4px #308320 }
```

# Background

The CSS property to change the background color of an element to Hex 308320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#308320 }
```

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

```
.background{ background-color:#308320 }
```

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