

# Converting Colors

Hex(3C0000)

Have a look what the booklet for  
Hex(3C0000) contains.

<b>Hex(3C0000)</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(3C0000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3C0000
RGB	60, 0, 0
RGB Percent	24%, 0%, 0%
CMY	0.7647, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.76
HSL	0°, 100%, 12%
HSV	0°, 100%, 24%
XYZ	1.8635, 0.9607, 0.0872
YIQ	17.9400, 35.7600, 12.7200

# Conversions

## Conversions Part 2

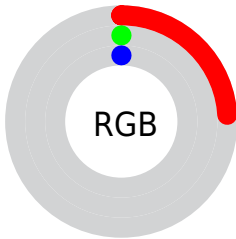
Format	Color
R <sub>YB</sub>	60, 0, 0
Decimal	3932160
CIE Lab	8.66, 28.53, 13.68
CIE LCh	9, 31.644, 25.619
Yxy	0.9607, 0.6401, 0.3300
Android (android.graphics.Color)	4282122240 (0xFF3C0000)
YUV	17.9400, -8.8444, 36.8866
Hunter-Lab	9.8013, 16.7851, 6.3334

# Details

The Hex color **3C0000** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **003C3C**, and the grayscale version is **121212**.

A 20% lighter version of the original color is **702F30**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **3C0000**, and if you desaturate by 10%, it is **3C0606**.

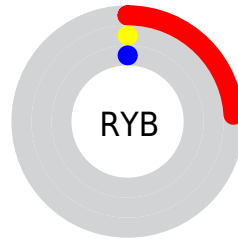
# Distribution



Red (24%)

Green (0%)

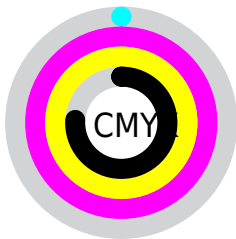
Blue (0%)



Red (24%)

Yellow (0%)

Blue (0%)

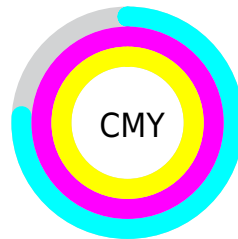


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (76%)



Cyan (76%)

Magenta (100%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3C0000 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 3C0000 by changing the saturation by 10% instead.



 3C0000

 3C0000

 FFE6E2

 240001

 702F30

 000000

 8B4746

 A7605E

 C37977

 E09390

 FEAEAB

 FFCAC6

 3C0000

■ 3C0606

■ 3C0C0C

■ 3C1212

■ 3C1818

■ 3C1E1E

■ 3C2424

■ 3C2A2A

■ 3C3030

■ 3C3636

# Harmonies

## Analogous

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



3B001D



3C0000



320D00

# Triad

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



3C0000



002100



001D44

# Complementary

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



3C0000



003C3C

# 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.



00213C



3C0000



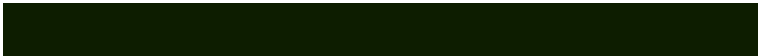
002315

# Square

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



3C0000



0D1D00



00232B



0B153F

# Rectangle

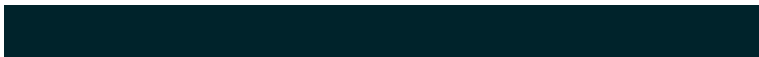
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



3C0000



291400



00232B



001E42



# Sweetspot

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



3C0000



4F3737



3C003C



291A1A



A8A8A8



292929



# Same Dimension

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



3C0000



4F0000



3C1E00



1F1C1C



5E0000



DE0000



# Inverse Universe

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



003C3C



004F4F



001E3C



1C1F1F



005E5E

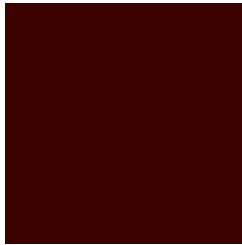


00DEDE



# Previews

## White Background



This preview shows how the Hex color 3C0000 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

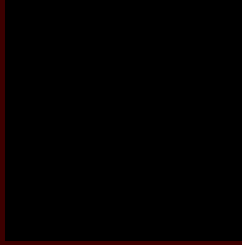
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3C0000 Background



This preview shows how black text looks on a background with the Hex color 3C0000.

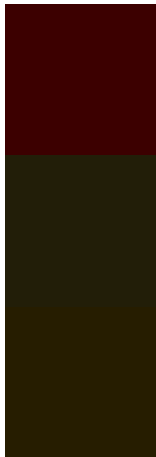


This preview shows how white text looks on a background with the Hex color 3C0000.

# 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](#).

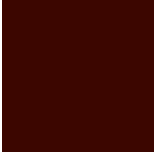
## Dichromacy



**Original Color**  
3C0000

**Protanopia**  
221E08

**Deuteranopia**  
261D00



**Tritanopia**  
3C0600

# Trichromacy



**Original Color**

3C0000

**Protanomaly**

2B1305

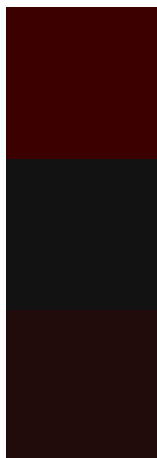
**Deuteranomaly**

2E1200

**Tritanomaly**

3C0400

# Monochromacy



**Original Color**

3C0000

**Achromatopsia**

121212

**Achromatomaly**

210B0B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3C0000 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 #3C0000 looks like.

```
.text, #text, p{  
    color:#3C0000  
}
```

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 #3C0000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3C0000
}
```

## Border

The CSS property to change the border of an element to Hex 3C0000 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
#3C0000 }
```

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

```
.border{ border-color:#3C0000 }
```

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

Here you see how a box with a 4 pixel #3C0000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3C0000; -webkit-box-shadow:4px 4px  
4px 4px #3C0000; box-shadow:4px 4px 4px  
4px #3C0000 }
```

# Background

The CSS property to change the background color of an element to Hex 3C0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3C0000 }
```

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

```
.background{ background-color:#3C0000 }
```

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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