

# Converting Colors

Hex(080030)

Have a look what the booklet for  
Hex(080030) contains.

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# Color

**Hex(080030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	080030
RGB	8, 0, 48
RGB Percent	3%, 0%, 19%
CMY	0.9686, 1.0000, 0.8118
CMYK	0.83, 1.00, 0.00, 0.81
HSL	250°, 100%, 9%
HSV	250°, 100%, 19%
XYZ	0.6336, 0.2650, 2.8141
YIQ	7.8640, -10.6400, 16.6240

# Conversions

## Conversions Part 2

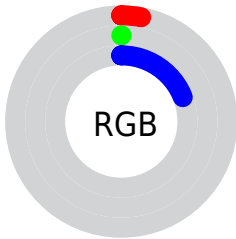
<b>Format</b>	<b>Color</b>
<b>RYB</b>	8, 0, 48
Decimal	524336
CIELab	2.39, 15.64, -27.42
CIELCh	2, 31.564, 299.698
Yxy	0.2650, 0.1707, 0.0714
Android (android.graphics.Color)	4278714416 (0xFF080030)
YUV	7.8640, 19.7870, 0.1193
Hunter-Lab	5.1481, 12.9613, -28.8059

# Details

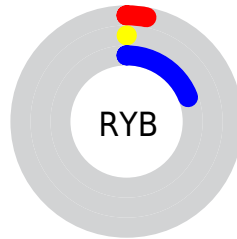
The Hex color **080030** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **283000**, and the grayscale version is **080808**.

A 20% lighter version of the original color is **352F5E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **080030**, and if you desaturate by 10%, it is **0C0530**.

# Distribution



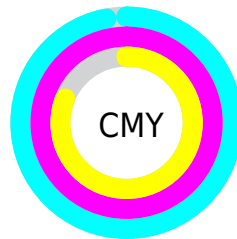
- Red (3%)
- Green (0%)
- Blue (19%)



- Red (3%)
- Yellow (0%)
- Blue (19%)



- Cyan (83%)
- Magenta (100%)
- Yellow (0%)
- Black (81%)



- Cyan (97%)
- Magenta (100%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 080030 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 080030 by changing the saturation by 10% instead.



080030

080030

EEE1FF

00011A

352F5E

000000

4D4677

665D91

7F76AC

9A90C7

B5AAE4

D1C5FF

080030

■ 0C0530

■ 100A30

■ 140E30

■ 181330

■ 1C1830

■ 201D30

■ 242230

■ 282630

■ 2C2B30

# Harmonies

## Analogous

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



000D35



080030



250021

# Triad

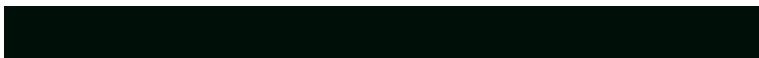
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



080030



230000



001008

# Complementary

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



080030



283000

# 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.



000F00



080030



0E0800

# Square

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



080030



2D0000



000F00



001120

# Rectangle

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



080030



2C0015



000F00



# Sweetspot

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



080030



2E2B3D



002830



15141F



9E9E9E



1F1F1F



# Same Dimension

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



080030



0A003D



200030



151517



0E0057



2400D6



# Inverse Universe

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



300028



3D0033



103000



171517



570048

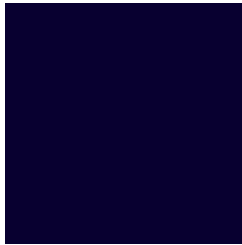


D600B3



# Previews

## White Background



This preview shows how the Hex color 080030 looks on a white background.

## Color Contrast Check

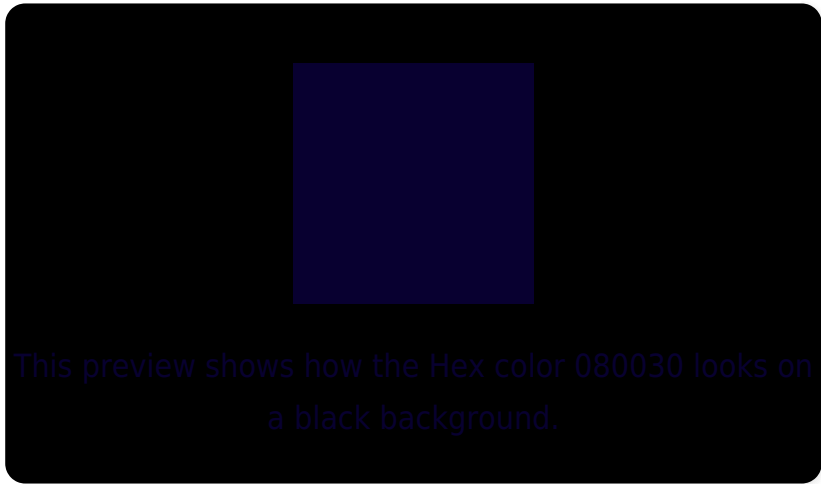
Large Text (above 18pt) WCAG AA ✓ Pass

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

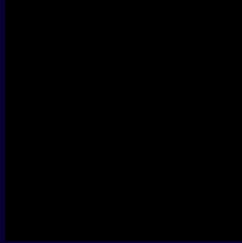
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 080030 Background



This preview shows how black text looks on a background with the Hex color 080030.



This preview shows how white text looks on a background with the Hex color 080030.

# 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**  
080030

**Protanopia**  
000E1E

**Deuteranopia**  
000F1A



**Tritanopia**  
001111

# Trichromacy



**Original Color**  
080030

**Protanomaly**  
030925

**Deuteranomaly**  
030A22

**Tritanomaly**  
030B1C

# Monochromacy



**Original Color**  
080030

**Achromatopsia**  
080808

**Achromatomaly**  
080517

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 080030 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 #080030 looks like.

```
.text, #text, p{  
    color:#080030  
}
```

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 #080030 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #080030
}
```

## Border

The CSS property to change the border of an element to Hex 080030 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
#080030 }
```

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

```
.border{ border-color:#080030 }
```

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

Here you see how a box with a 4 pixel #080030 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #080030; -webkit-box-shadow:4px 4px  
4px 4px #080030; box-shadow:4px 4px 4px  
4px #080030 }
```

# Background

The CSS property to change the background color of an element to Hex 080030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#080030 }
```

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

```
.background{ background-color:#080030 }
```

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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