

# Converting Colors

Hex(080050)

Have a look what the booklet for  
Hex(080050) contains.

<b>Hex(080050)</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> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**Hex(080050)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	080050
RGB	8, 0, 80
RGB Percent	3%, 0%, 31%
CMY	0.9686, 1.0000, 0.6863
CMYK	0.90, 1.00, 0.00, 0.69
HSL	246°, 100%, 16%
HSV	246°, 100%, 31%
XYZ	1.5481, 0.6308, 7.6296
YIQ	11.5120, -20.9120, 26.5760

# Conversions

## Conversions Part 2

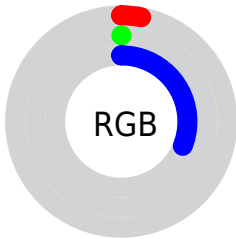
Format	Color
<a href="#">RYB</a>	<a href="#">8, 0, 80</a>
Decimal	<a href="#">524368</a>
CIELab	<a href="#">5.70, 33.22, -45.04</a>
CIElCh	<a href="#">6, 55.967, 306.407</a>
Yxy	<a href="#">0.6308, 0.1578, 0.0643</a>
Android (android.graphics.Color)	<a href="#">4278714448</a> (0xFF080050)
YUV	<a href="#">11.5120, 33.7646, -3.0800</a>
Hunter-Lab	<a href="#">7.9424, 20.8937, -51.3954</a>

# Details

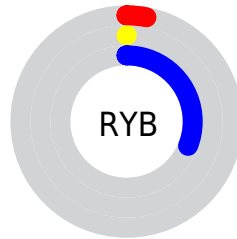
The Hex color **080050** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **485000**, and the grayscale version is **0B0B0B**.

A 20% lighter version of the original color is **442C82**, and **000222** is the 20% darker color. If you saturate the color by 10%, you get **080050**, and if you desaturate by 10%, it is **0F0850**.

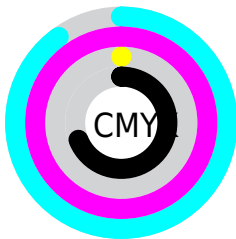
# Distribution



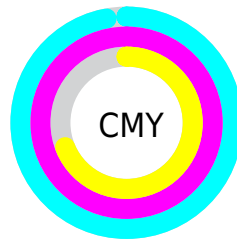
- Red (3%)
- Green (0%)
- Blue (31%)



- Red (3%)
- Yellow (0%)
- Blue (31%)



- Cyan (90%)
- Magenta (100%)
- Yellow (0%)
- Black (69%)



- Cyan (97%)
- Magenta (100%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 080050 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 080050 by changing the saturation by 10% instead.



 080050

 080050

 FFE0FF

 000038

 442C82

 000222

 5F439D

 000008

 795BB8

 000000

 9574D4

 B18EF1

 CDA9FF

 EAC4FF

 080050

■ 0F0850

■ 161050

■ 1E1850

■ 252050

■ 2C2850

■ 333050

■ 3A3850

■ 424050

■ 494850

# Harmonies

## Analogous

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



00185F



080050



400031

# Triad

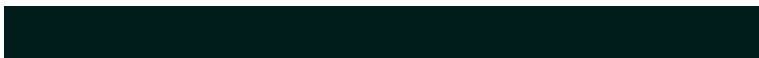
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



080050



2F0100



001D1B

# Complementary

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



080050



485000

# 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.



001C00



080050



0F1500

# Square

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



080050



430000



001C00



001F3F

# Rectangle

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



080050



4A0019



001C00



001D0B



# Sweetspot

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



080050



4C4969



004850



242236



B5B5B5



363636



# Same Dimension

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



080050



0A0069



300050



252529



1700E8

# Inverse Universe

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



500048



69005E



205000



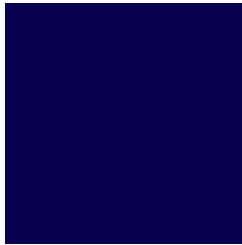
292528



E800D1

# Previews

## White Background



This preview shows how the Hex color 080050 looks on a white background.

## Color Contrast Check

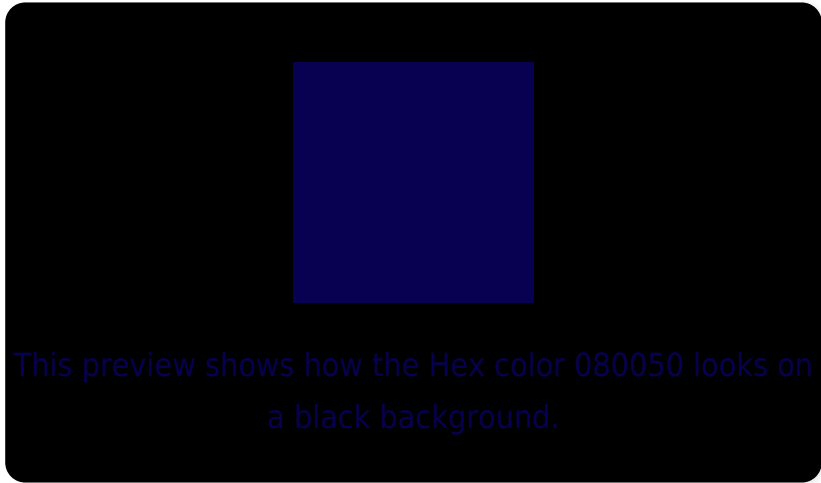
Large Text (above 18pt) WCAG AA ✓ Pass

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

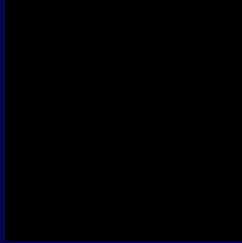
Any Text WCAG AA × Fail

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 080050 Background



This preview shows how black text looks on a background with the Hex color 080050.



This preview shows how white text looks on a background with the Hex color 080050.

# 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**  
080050

**Protanopia**  
001831

**Deuteranopia**  
00192A





**Tritanopia**  
001B1C

# Trichromacy



**Original Color**  
080050

**Protanomaly**  
030F3C

**Deuteranomaly**  
031038

**Tritanomaly**  
03112F

# Monochromacy



**Original Color**  
080050

**Achromatopsia**  
0C0C0C

**Achromatomaly**  
0B0825

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 080050 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 #080050 looks like.

```
.text, #text, p{  
    color:#080050  
}
```

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 #080050 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #080050
}
```

## Border

The CSS property to change the border of an element to Hex 080050 is called "border". The border property can be set on classes, ids or directly on the HTML element.

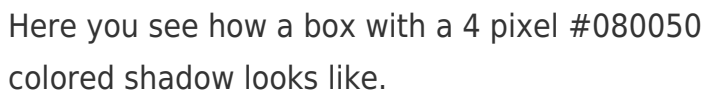
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#080050 }
```

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

```
.border{ border-color:#080050 }
```

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



Here you see how a box with a 4 pixel #080050 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #080050; -webkit-box-shadow:4px 4px  
4px 4px #080050; box-shadow:4px 4px 4px  
4px #080050 }
```

# Background

The CSS property to change the background color of an element to Hex 080050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#080050 }
```

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

```
.background{ background-color:#080050 }
```

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