

# Converting Colors

Hex(080175)

Have a look what the booklet for  
Hex(080175) contains.

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# Color

**Hex(080175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	080175
RGB	8, 1, 117
RGB Percent	3%, 0%, 46%
CMY	0.9686, 0.9961, 0.5412
CMYK	0.93, 0.99, 0.00, 0.54
HSL	244°, 98%, 23%
HSV	244°, 99%, 46%
XYZ	3.3219, 1.3577, 16.9166
YIQ	16.3170, -33.0640, 37.5600

# Conversions

## Conversions Part 2

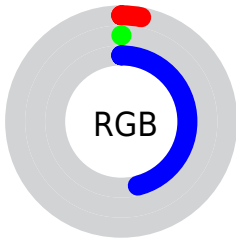
<b>Format</b>	<b>Color</b>
<b>RYB</b>	8, 1, 117
Decimal	524661
CIELab	11.67, 44.19, -59.81
CIELCh	12, 74.363, 306.463
Yxy	1.3577, 0.1538, 0.0629
Android (android.graphics.Color)	4278714741 (0xFF080175)
YUV	16.3170, 49.6367, -7.2940
Hunter-Lab	11.6520, 30.4979, -77.9221

# Details

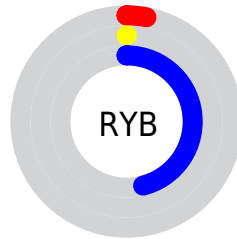
The Hex color **080175** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **6E7501**, and the grayscale version is **101010**.

A 20% lighter version of the original color is **5132AA**, and **000143** is the 20% darker color. If you saturate the color by 10%, you get **070075**, and if you desaturate by 10%, it is **130D75**.

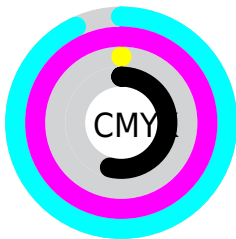
# Distribution



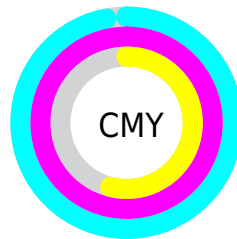
- Red (3%)
- Green (0%)
- Blue (46%)



- Red (3%)
- Yellow (0%)
- Blue (46%)



- Cyan (93%)
- Magenta (99%)
- Yellow (0%)
- Black (54%)



- Cyan (97%)
- Magenta (100%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 080175 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 080175 by changing the saturation by 10% instead.



080175

080175

FFEAFF

00005C

5132AA

000143

6E4AC6

00032C

8A63E3

000116

A77CFF

000000

C497FF

E1B2FF

FFCEFF

080175

080175

■ 070075

■ 130D75

■ 1E1875

■ 292475

■ 343075

■ 3F3B75

■ 4A4775

■ 555375

■ 605F75

■ 6B6A75

# Harmonies

## Analogous

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



00278B



080175



5D0049

# Triad

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



080175



460400



002D29

# Complementary

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



080175



6E7501

# 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.



002C00



080175



1E2100

# Square

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



080175



610000



002B00



00305D

# Rectangle

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



080175



6B0028



002B00



002D17



# Sweetspot

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



080175



6E6B99



016F75



33314D



CCCCCC



4D4D4D



# Same Dimension

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



080175



090099



410175



35353B



07007A



0F00FA



# Inverse Universe

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



75016E



990090



357501



3B353A



7A0073

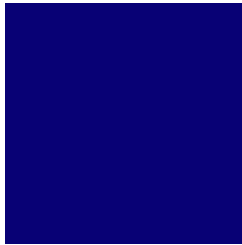


FA00EB



# Previews

## White Background



This preview shows how the Hex color 080175 looks on a white background.

## Color Contrast Check

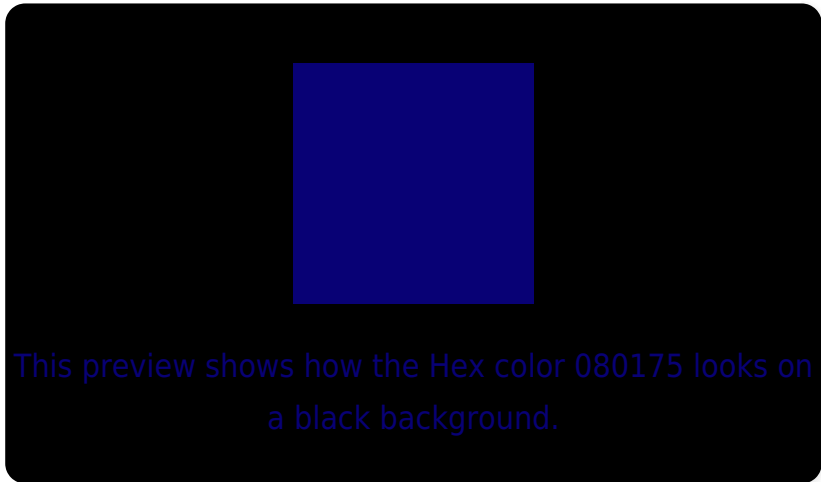
Large Text (above 18pt) WCAG AA ✓ Pass

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

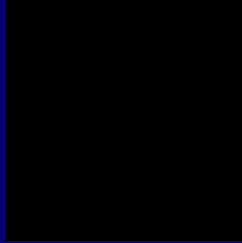
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 080175 Background



This preview shows how black text looks on a background with the Hex color 080175.



This preview shows how white text looks on a background with the Hex color 080175.

# 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**  
080175

**Protanopia**  
002248

**Deuteranopia**  
00253D



# Trichromacy



**Original Color**  
080175

**Protanomaly**  
031658

**Deuteranomaly**  
031851

**Tritanomaly**  
031945

# Monochromacy



**Original Color**  
080175

**Achromatopsia**  
101010

**Achromatomaly**  
0D0B35

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 080175 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 #080175 looks like.

```
.text, #text, p{  
    color:#080175  
}
```

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 #080175 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #080175
}
```

## Border

The CSS property to change the border of an element to Hex 080175 is called "border". The border property can be set on classes, ids or directly on the HTML element.

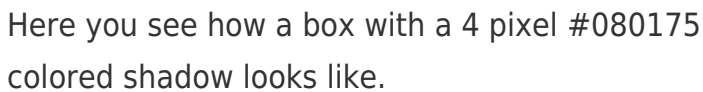
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#080175 }
```

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

```
.border{ border-color:#080175 }
```

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



Here you see how a box with a 4 pixel #080175 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #080175; -webkit-box-shadow:4px 4px  
4px 4px #080175; box-shadow:4px 4px 4px  
4px #080175 }
```

# Background

The CSS property to change the background color of an element to Hex 080175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#080175 }
```

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

```
.background{ background-color:#080175 }
```

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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