

# Converting Colors

Hex(780057)

Have a look what the booklet for  
Hex(780057) contains.

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# Color

**Hex(780057)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	780057
RGB	120, 0, 87
RGB Percent	47%, 0%, 34%
CMY	0.5294, 1.0000, 0.6588
CMYK	0.00, 1.00, 0.27, 0.53
HSL	316°, 100%, 24%
HSV	316°, 100%, 47%
XYZ	9.4660, 4.6812, 9.4215
YIQ	45.7980, 43.5930, 52.4970

# Conversions

## Conversions Part 2

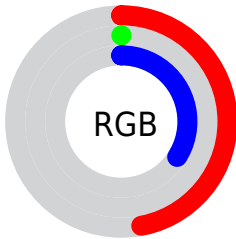
Format	Color
<b>R<sub>YB</sub></b>	120, 0, 87
Decimal	7864407
CIE Lab	25.81, 51.56, -16.38
CIE LCh	26, 54.103, 342.376
Yxy	4.6812, 0.4016, 0.1986
Android (android.graphics.Color)	4286054487 (0xFF780057)
YUV	45.7980, 20.3126, 65.0752
Hunter-Lab	21.6361, 40.2327, -10.6727

# Details

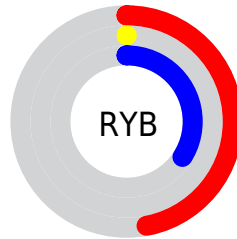
The Hex color **780057** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **007821**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **B04489**, and **430029** is the 20% darker color. If you saturate the color by 10%, you get **780057**, and if you desaturate by 10%, it is **780C5A**.

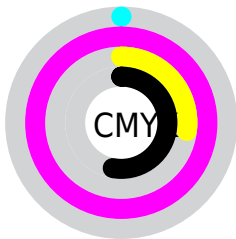
# Distribution



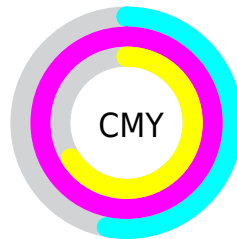
- Red (47%)
- Green (0%)
- Blue (34%)



- Red (47%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (53%)



- Cyan (53%)
- Magenta (100%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 780057 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 780057 by changing the saturation by 10% instead.



 780057

 780057

FFFFFF

 5D0040

 B04489

 430029

 CD5FA3

 2A0014

 EA7ABE

 000000

 FF95DA

 FFB1F7

 FFCDFD

 FFEAFF

 780057

 780C5A

 78185E

 782461

 783064

 783C67

 78486B

 78546E

 786071

 786C75

# Harmonies

## Analogous

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



51287B



780057



82002E

# Triad

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



780057



3D4100



004D74

# Complementary

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



780057



007821

# 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.



004E4E



780057



004900

# Square

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



780057



5F3200



004C22



00498C

# Rectangle

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



780057



7D0B14



004C22



004E69



# Sweetspot

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



780057



9C6D8F



200078



4F3347



CFCFCF



4F4F4F



# Same Dimension

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



780057



9C0071



78001C



3D373C



7D005B



FC00B7



# Inverse Universe

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



780057



9C0071



00785C



3D373C



7D005B



FC00B7



# Previews

## White Background



This preview shows how the Hex color 780057 looks on a white background.

## Color Contrast Check

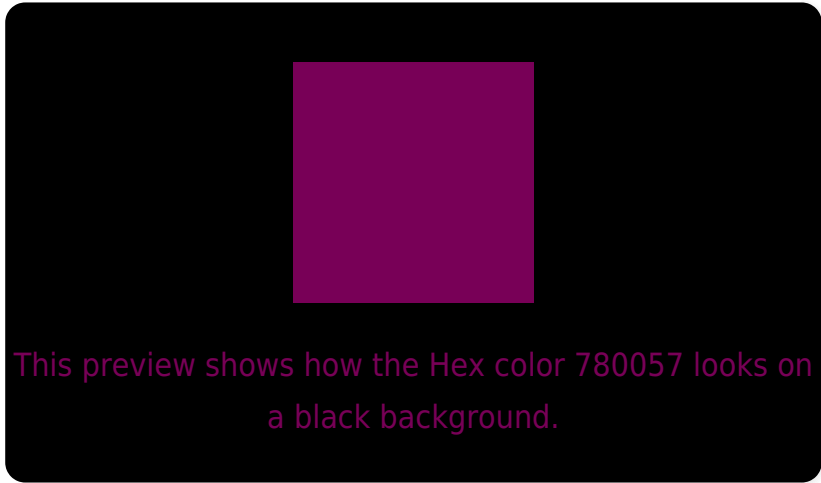
Large Text (above 18pt) WCAG AA ✓ Pass

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

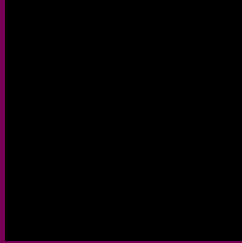
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 780057 Background



This preview shows how black text looks on a background with the Hex color 780057.



This preview shows how white text looks on a background with the Hex color 780057.

# 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





**Tritanopia**  
742224

# Trichromacy



**Original Color**  
780057

**Protanomaly**  
3F286F

**Deuteranomaly**  
532853

**Tritanomaly**  
751637

# Monochromacy



**Original Color**  
780057

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
491D3D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 780057 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 #780057 looks like.

```
.text, #text, p{  
    color:#780057  
}
```

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 #780057 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #780057
}
```

## Border

The CSS property to change the border of an element to Hex 780057 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".

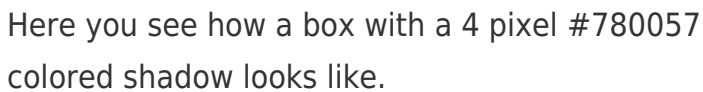
```
.border, #border, table{ border:4px solid
#780057 }
```

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

```
.border{ border-color:#780057 }
```

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

Here you see how a box with a 4 pixel #780057 colored shadow looks like.

A rectangular box with a dark purple border and a dark purple shadow. The box is white with a thin dark purple border on the top and left sides, and a thicker dark purple shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #780057; -webkit-box-shadow:4px 4px  
4px 4px #780057; box-shadow:4px 4px 4px  
4px #780057 }
```

# Background

The CSS property to change the background color of an element to Hex 780057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#780057 }
```

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

```
.background{ background-color:#780057 }
```

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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