

Converting Colors

Hex(680047)

Have a look what the booklet for
Hex(680047) contains.

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Color

Hex(680047)

Conversions

Conversions Part 1

Format	Color
Hex	680047
RGB	104, 0, 71
RGB Percent	41%, 0%, 28%
CMY	0.5922, 1.0000, 0.7216
CMYK	0.00, 1.00, 0.32, 0.59
HSL	319°, 100%, 20%
HSV	319°, 100%, 41%
XYZ	6.8463, 3.3980, 6.2563
YIQ	39.1900, 39.1930, 44.1290

Conversions

Conversions Part 2

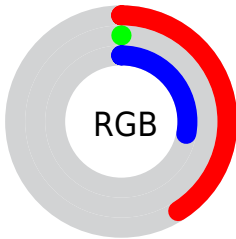
Format	Color
RYB	104, 0, 71
Decimal	6815815
CIELab	21.57, 46.09, -12.40
CIElCh	22, 47.727, 344.945
Yxy	3.3980, 0.4149, 0.2059
Android (android.graphics.Color)	4285005895 (0xFF680047)
YUV	39.1900, 15.6823, 56.8384
Hunter-Lab	18.4336, 34.0360, -7.2192

Details

The Hex color **680047** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **006821**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **9F3F77**, and **36001C** is the 20% darker color. If you saturate the color by 10%, you get **680047**, and if you desaturate by 10%, it is **680A4A**.

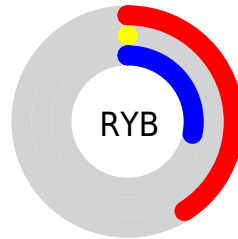
Distribution



Red (41%)

Green (0%)

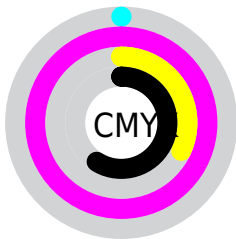
Blue (28%)



Red (41%)

Yellow (0%)

Blue (28%)

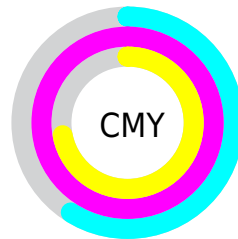


Cyan (0%)

Magenta (100%)

Yellow (32%)

Black (59%)



Cyan (59%)

Magenta (100%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Hex color 680047 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 680047 by changing the saturation by 10% instead.

 680047

 680047

FFFFFF

 4E0031

 9F3F77

 36001C

 BB5991

 150000

 D873AC

 000000

 F58EC7

 FFAAE3

 FFC6FF

 FFE3FF

 680047

 680A4A

 68154E

 681F51

 682A54

 683457

 683E5B

 68495E

 685361

 685E65

Harmonies

Analogous

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



491F66



680047



6F0024

Triad

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



680047



313800



004165

Complementary

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



680047



006821

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.



004245



680047



003E00

Square

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



680047



4F2C00



004120



003D79

Rectangle

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



680047



6A0D0C



004120



00425C

Sweetspot

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



680047



875F7A



210068



452C3D



C4C4C4



454545

Same Dimension

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



680047



87005C



680013



332E31



73004E



F200A5

Inverse Universe

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



680047



87005C



006855



332E31



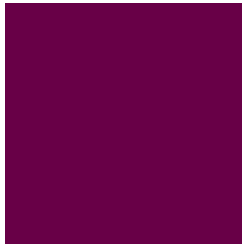
73004E



F200A5

Previews

White Background



This preview shows how the Hex color 680047 looks on a white background.

Color Contrast Check

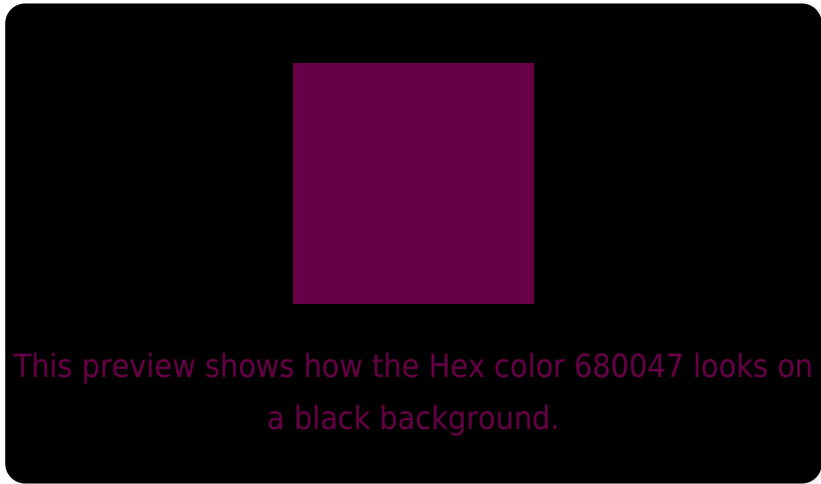
Large Text (above 18pt) WCAG AA ✓ Pass

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

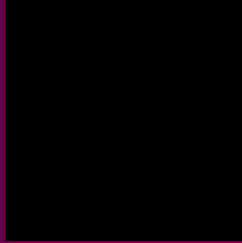
Any Text WCAG AA × Fail

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 680047 Background



This preview shows how black text looks on a background with the Hex color 680047.



This preview shows how white text looks on a background with the Hex color 680047.

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
680047

Protanopia
203665

Deuteranopia
383642



Tritanopia
651C1D

Trichromacy



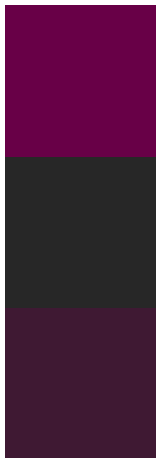
Original Color
680047

Protanomaly
3A225A

Deuteranomaly
492244

Tritanomaly
66122C

Monochromacy



Original Color
680047

Achromatopsia
272727

Achromatomaly
3F1933

CSS Examples

Text

The CSS property to change the color of the text to Hex 680047 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 #680047 looks like.

```
.text, #text, p{  
    color:#680047  
}
```

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 #680047 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #680047
}
```

Border

The CSS property to change the border of an element to Hex 680047 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
#680047 }
```

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

```
.border{ border-color:#680047 }
```

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

Here you see how a box with a 4 pixel #680047 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #680047; -webkit-box-shadow:4px 4px  
4px 4px #680047; box-shadow:4px 4px 4px  
4px #680047 }
```

Background

The CSS property to change the background color of an element to Hex 680047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#680047 }
```

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

```
.background{ background-color:#680047 }
```

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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