

# Converting Colors

Hex(64004D)

Have a look what the booklet for  
Hex(64004D) contains.

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# Color

**Hex(64004D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64004D
RGB	100, 0, 77
RGB Percent	39%, 0%, 30%
CMY	0.6078, 1.0000, 0.6980
CMYK	0.00, 1.00, 0.23, 0.61
HSL	314°, 100%, 20%
HSV	314°, 100%, 39%
XYZ	6.5951, 3.2451, 7.3000
YIQ	38.6780, 34.8830, 45.1470

# Conversions

## Conversions Part 2

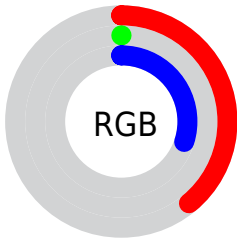
Format	Color
<a href="#">RYB</a>	<a href="#">100, 0, 77</a>
Decimal	<a href="#">6553677</a>
CIELab	<a href="#">21.00, 45.98, -17.46</a>
CIElCh	<a href="#">21, 49.180, 339.211</a>
Yxy	<a href="#">3.2451, 0.3848, 0.1893</a>
Android (android.graphics.Color)	<a href="#">4284743757 (0xFF64004D)</a>
YUV	<a href="#">38.6780, 18.8927, 53.7794</a>
Hunter-Lab	<a href="#">18.0143, 33.8244, -11.4162</a>

# Details

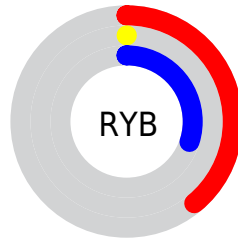
The Hex color **64004D** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **006417**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **9A3E7E**, and **330021** is the 20% darker color. If you saturate the color by 10%, you get **64004D**, and if you desaturate by 10%, it is **640A4F**.

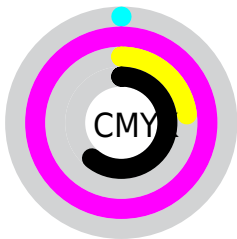
# Distribution



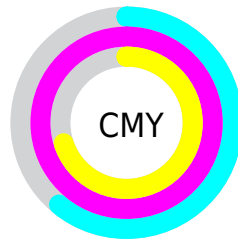
- Red (39%)
- Green (0%)
- Blue (30%)



- Red (39%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (61%)



- Cyan (61%)
- Magenta (100%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64004D 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 64004D by changing the saturation by 10% instead.



 64004D

 64004D

FFFFFF

 4A0036

 9A3E7E

 330021

 B65898

 100005

 D373B3

 000000

 F08DCF

 FFA9EB

 FFC5FF

 FFE1FF

 64004D

■ 640A4F

■ 641452

■ 641E54

■ 642856

■ 643259

■ 643C5B

■ 64465D

■ 64505F

■ 645A62

# Harmonies

## Analogous

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



3E226C



64004D



6F0029

# Triad

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



64004D



353500



004160

# Complementary

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



64004D



006417

# 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.



00413D



64004D



073C00

# Square

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



64004D



532700



004017



003D77

# Rectangle

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



64004D



6C0012



004017



004155



# Sweetspot

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



64004D



825B79



160064



422A3D



C2C2C2



424242



# Same Dimension

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



64004D



820064



64001C



332E32



730058



F200BB



# Inverse Universe

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



64004D



820064



006448



332E32



730058



F200BB



# Previews

## White Background



This preview shows how the Hex color 64004D looks on a white background.

## Color Contrast Check

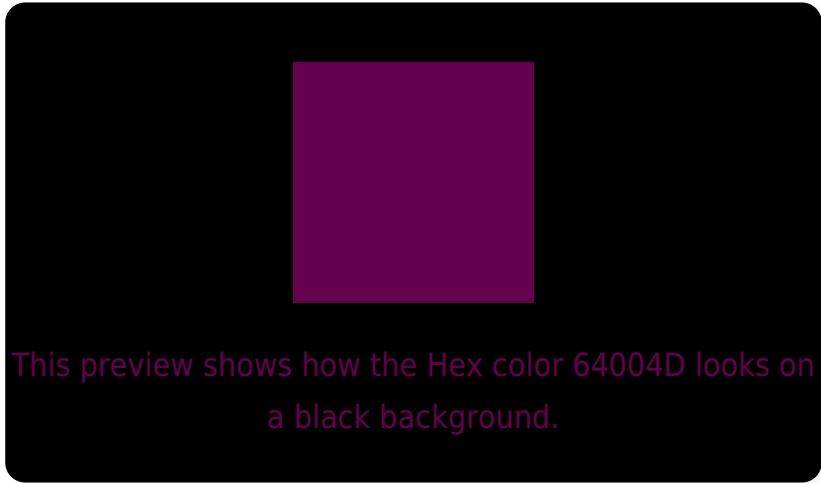
Large Text (above 18pt) WCAG AA ✓ Pass

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

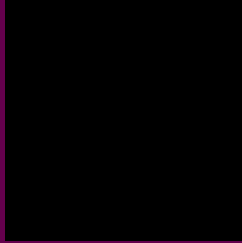
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 64004D Background



This preview shows how black text looks on a background with the Hex color 64004D.



This preview shows how white text looks on a background with the Hex color 64004D.

# 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**  
64004D

**Protanopia**  
0F356D

**Deuteranopia**  
323648



**Tritanopia**  
601E20

# Trichromacy



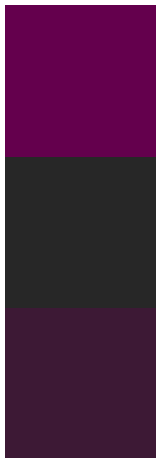
**Original Color**  
64004D

**Protanomaly**  
2E2261

**Deuteranomaly**  
44224A

**Tritanomaly**  
611330

# Monochromacy



**Original Color**  
64004D

**Achromatopsia**  
272727

**Achromatomaly**  
3D1935

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64004D 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 #64004D looks like.

```
.text, #text, p{  
    color:#64004D  
}
```

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 #64004D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64004D
}
```

## Border

The CSS property to change the border of an element to Hex 64004D is called "border". The border property can be set on classes, ids or directly on the HTML element.

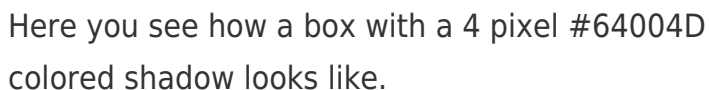
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#64004D }
```

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

```
.border{ border-color:#64004D }
```

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



Here you see how a box with a 4 pixel #64004D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64004D; -webkit-box-shadow:4px 4px  
4px 4px #64004D; box-shadow:4px 4px 4px  
4px #64004D }
```

# Background

The CSS property to change the background color of an element to Hex 64004D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64004D }
```

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

```
.background{ background-color:#64004D }
```

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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