

# Converting Colors

Hex(40064D)

Have a look what the booklet for  
Hex(40064D) contains.

<b>Hex(40064D)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(40064D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	40064D
RGB	64, 6, 77
RGB Percent	25%, 2%, 30%
CMY	0.7490, 0.9765, 0.6980
CMYK	0.17, 0.92, 0.00, 0.70
HSL	289°, 86%, 16%
HSV	289°, 92%, 30%
XYZ	3.5190, 1.7561, 7.1747
YIQ	31.4360, 11.7770, 34.3770

# Conversions

## Conversions Part 2

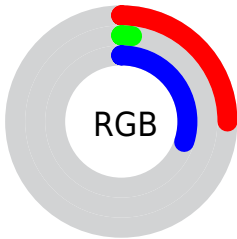
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 6, 77
Decimal	4195917
CIELab	14.15, 36.69, -28.80
CIElCh	14, 46.637, 321.870
Yxy	1.7561, 0.2827, 0.1411
Android (android.graphics.Color)	4282385997 (0xFF40064D)
YUV	31.4360, 22.4631, 28.5586
Hunter-Lab	13.2516, 24.2111, -22.8244




# Details

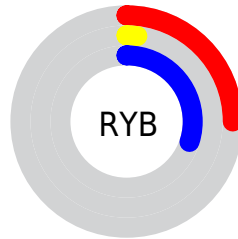
The Hex color **40064D** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **134D06**, and the grayscale version is **1F1F1F**.



A 20% lighter version of the original color is **73397F**, and **080020** is the 20% darker color. If you saturate the color by 10%, you get **3F004D**, and if you desaturate by 10%, it is **410E4D**.

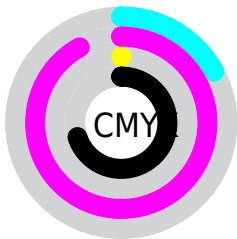
# Distribution







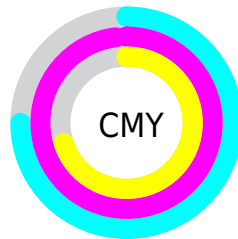
-  Red (25%)
-  Green (2%)
-  Blue (30%)






-  Red (25%)
-  Yellow (2%)
-  Blue (30%)



-  Cyan (17%)
-  Magenta (92%)
-  Yellow (0%)
-  Black (70%)



-  Cyan (75%)
-  Magenta (98%)
-  Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40064D 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 40064D by changing the saturation by 10% instead.



 40064D

 40064D

 FFF4FF

 290036

 73397F

 080020

 8D5299

 000004

 A86BB4

 000000

 C485CF

 E1A0EC

 FEBBF

 FFD7FF

 40064D

 40064D

■ 3F004D

■ 410E4D

■ 43154D

■ 441D4D

■ 46254D

■ 472D4D

■ 48344D

■ 4A3C4D

■ 4B444D

■ 4D4B4D

# Harmonies

## Analogous

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



002062



40064D



56002E

# Triad

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



40064D



352000



00313C

# Complementary

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



40064D



134D06

# 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.



00301A



40064D



162900

# Square

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



40064D



4C0B00



002E00



003058

# Rectangle

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



40064D



5A0019



002E00



003131



# Sweetspot

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



40064D



5E4863



06134D



302233



B3B3B3



333333



# Same Dimension

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



40064D



510063



4D0637



262226



530066



BB00E6



# Inverse Universe

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



4D0613



630012



064D1C



262223



660013

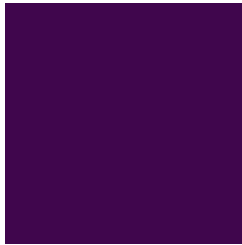


E6002A



# Previews

## White Background



This preview shows how the Hex color 40064D looks on a white background.

## Color Contrast Check

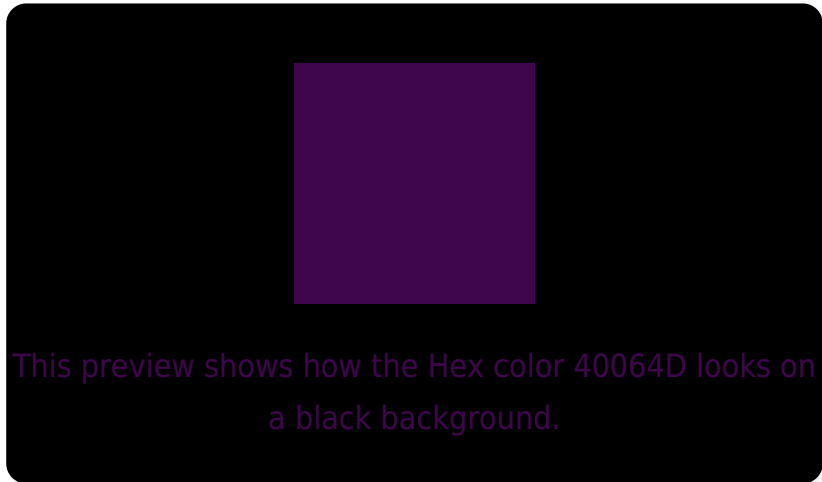
Large Text (above 18pt) WCAG AA ✓ Pass

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

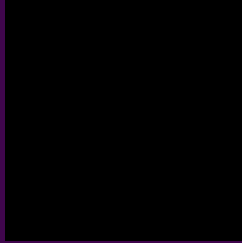
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 40064D Background



This preview shows how black text looks on a background with the Hex color 40064D.



This preview shows how white text looks on a background with the Hex color 40064D.

# 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**  
40064D

**Protanopia**  
00264F

**Deuteranopia**  
002846



**Tritanopia**  
3A1E21

# Trichromacy



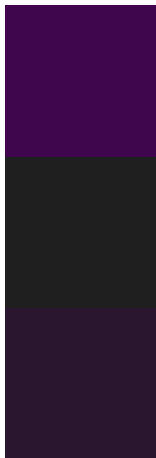
**Original Color**  
40064D

**Protanomaly**  
171A4E

**Deuteranomaly**  
171C49

**Tritanomaly**  
3C1531

# Monochromacy



**Original Color**  
40064D

**Achromatopsia**  
1F1F1F

**Achromatomaly**  
2B1630

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40064D 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 #40064D looks like.

```
.text, #text, p{  
    color:#40064D  
}
```

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 #40064D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40064D
}
```

## Border

The CSS property to change the border of an element to Hex 40064D is called "border". The border property can be set on classes, ids or directly on the HTML element.

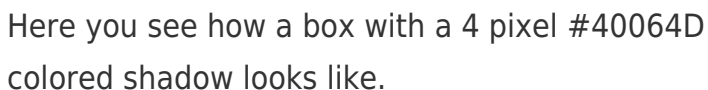
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#40064D }
```

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

```
.border{ border-color:#40064D }
```

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



Here you see how a box with a 4 pixel #40064D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40064D; -webkit-box-shadow:4px 4px  
4px 4px #40064D; box-shadow:4px 4px 4px  
4px #40064D }
```

# Background

The CSS property to change the background color of an element to Hex 40064D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40064D }
```

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

```
.background{ background-color:#40064D }
```

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