

# Converting Colors

Hex(48206B)

Have a look what the booklet for  
Hex(48206B) contains.

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# Color

**Hex(48206B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48206B
RGB	72, 32, 107
RGB Percent	28%, 13%, 42%
CMY	0.7176, 0.8745, 0.5804
CMYK	0.33, 0.70, 0.00, 0.58
HSL	272°, 54%, 27%
HSV	272°, 70%, 42%
XYZ	5.8428, 3.4723, 14.2722
YIQ	52.5100, -0.2350, 31.8050

# Conversions

## Conversions Part 2

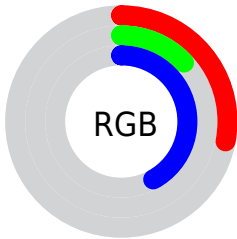
Format	Color
R <sub>Y</sub> B	72, 32, 107
Decimal	4726891
CIE Lab	21.84, 34.21, -36.35
CIE LCh	22, 49.916, 313.267
Yxy	3.4723, 0.2477, 0.1472
Android (android.graphics.Color)	4282916971 (0xFF48206B)
YUV	52.5100, 26.8636, 17.0927
Hunter-Lab	18.6340, 23.3604, -32.3675

# Details

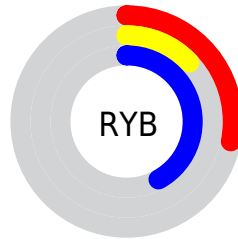
The Hex color **48206B** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **436B20**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **7C4F9F**, and **1A003B** is the 20% darker color. If you saturate the color by 10%, you get **43156B**, and if you desaturate by 10%, it is **4D2B6B**.

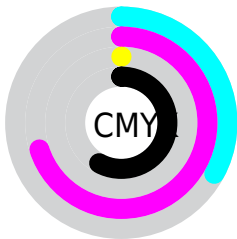
# Distribution



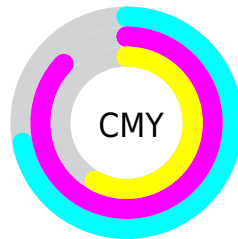
- Red (28%)
- Green (13%)
- Blue (42%)



- Red (28%)
- Yellow (13%)
- Blue (42%)



- Cyan (33%)
- Magenta (70%)
- Yellow (0%)
- Black (58%)



- Cyan (72%)
- Magenta (87%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 48206B 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 48206B by changing the saturation by 10% instead.



 48206B

 48206B

FFFFFF

 2F0852

 7C4F9F

 1A003B

 9668BA

 000224

 B282D6

 00000C

 CE9CF3

 000000

 EBB7FF

 FFD3FF

 FFF0FF

 48206B

 48206B

■ 43156B

■ 4D2B6B

■ 3E0B6B

■ 52356B

■ 39006B

■ 57406B

■ 5C4B6B

■ 61566B

■ 66606B

■ 6B6B6B

■ 70766B

■ 75806B

# Harmonies

## Analogous

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



00347E



48206B



6A004B

# Triad

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



48206B



522B00



004344

# Complementary

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



48206B



436B20

# 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.



00421D



48206B



333800

# Square

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



48206B



691400



003F00



004367

# Rectangle

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



48206B



720032



003F00



004338



# Sweetspot

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



48206B



7F6F8C



20436B



3F3647



C7C7C7



474747



# Same Dimension

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



48206B



55168C



6B2069



333036



3F0075



8300F5



# Inverse Universe

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



6B2043



8C164D



206B23



363033



750037

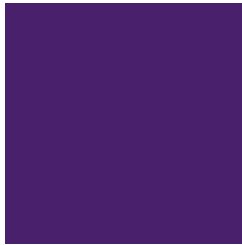


F50072



# Previews

## White Background



This preview shows how the Hex color 48206B looks on a white background.

## Color Contrast Check

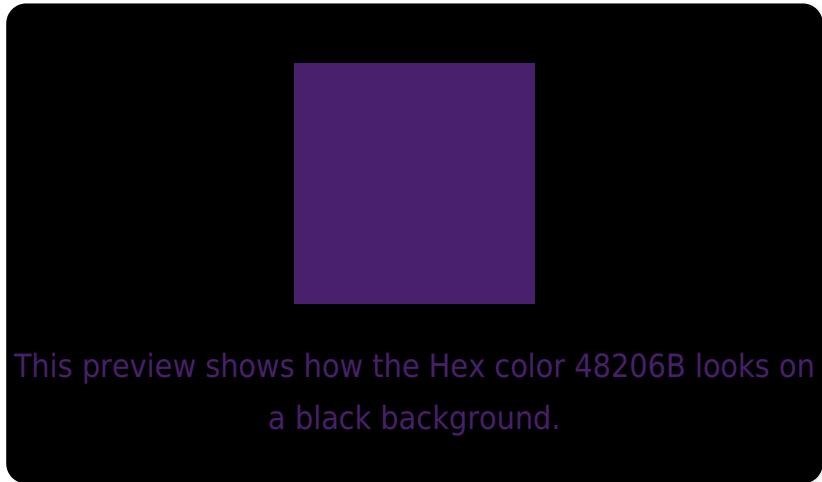
Large Text (above 18pt) WCAG AA ✓ Pass

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

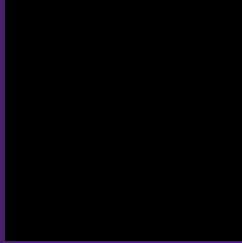
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 48206B Background



This preview shows how black text looks on a background with the Hex color 48206B.



This preview shows how white text looks on a background with the Hex color 48206B.

# 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](#).

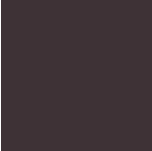
## Dichromacy



**Original Color**  
48206B

**Protanopia**  
00336D

**Deuteranopia**  
00365F



**Tritanopia**  
3E3236

# Trichromacy



**Original Color**  
48206B

**Protanomaly**  
1A2C6C

**Deuteranomaly**  
1A2E63

**Tritanomaly**  
422B49

# Monochromacy



**Original Color**  
48206B

**Achromatopsia**  
353535

**Achromatomaly**  
3C2D49

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 48206B 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 #48206B looks like.

```
.text, #text, p{  
    color:#48206B  
}
```

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 #48206B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #48206B
}
```

## Border

The CSS property to change the border of an element to Hex 48206B is called "border". The border property can be set on classes, ids or directly on the HTML element.

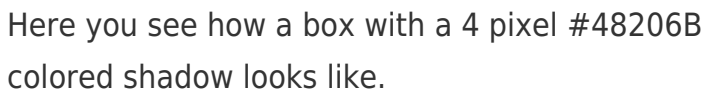
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#48206B }
```

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

```
.border{ border-color:#48206B }
```

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



Here you see how a box with a 4 pixel #48206B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #48206B; -webkit-box-shadow:4px 4px  
4px 4px #48206B; box-shadow:4px 4px 4px  
4px #48206B }
```

# Background

The CSS property to change the background color of an element to Hex 48206B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#48206B }
```

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

```
.background{ background-color:#48206B }
```

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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