

# Converting Colors

Hex(80506A)

Have a look what the booklet for  
Hex(80506A) contains.

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# Color

**Hex(80506A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80506A
RGB	128, 80, 106
RGB Percent	50%, 31%, 42%
CMY	0.4980, 0.6863, 0.5843
CMYK	0.00, 0.38, 0.17, 0.50
HSL	328°, 23%, 41%
HSV	328°, 38%, 50%
XYZ	14.3723, 11.3671, 15.0722
YIQ	97.3160, 20.2620, 18.2620

# Conversions

## Conversions Part 2

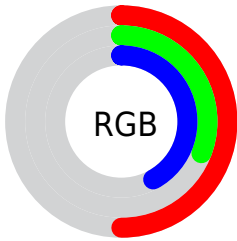
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 80, 106
Decimal	8409194
CIE <sub>Lab</sub>	40.19, 24.17, -6.58
CIE <sub>LCh</sub>	40, 25.050, 344.780
Yxy	11.3671, 0.3522, 0.2785
Android (android.graphics.Color)	4286599274 (0xFF80506A)
YUV	97.3160, 4.2812, 26.9099
Hunter-Lab	33.7152, 17.0903, -2.9048

# Details

The Hex color **80506A** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **508066**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **B6829D**, and **4D223B** is the 20% darker color. If you saturate the color by 10%, you get **804364**, and if you desaturate by 10%, it is **805D70**.

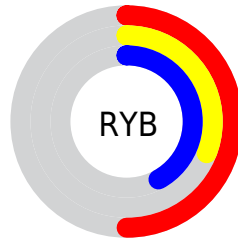
# Distribution



Red (50%)

Green (31%)

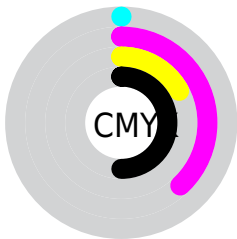
Blue (42%)



Red (50%)

Yellow (31%)

Blue (42%)

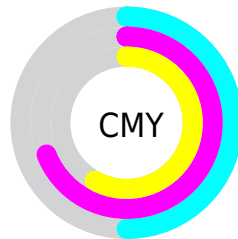


Cyan (0%)

Magenta (38%)

Yellow (17%)

Black (50%)



Cyan (50%)

Magenta (69%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80506A 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 80506A by changing the saturation by 10% instead.



 80506A

 80506A

FFFFFF

 663852

 B6829D

 4D223B

 D29CB8

 360B25

 EEB7D4

 230011

 FFD3F0

 000000

 FFF0FF

 80506A

 80506A

 804364

 805D70

 80365E

 806A76

802A58

80767C

801D53

808381

80104D

809087

800347

809D8D

800045

80AA93

80B699

80C39F

# Harmonies

## Analogous

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



6E567C



80506A



874F55

# Triad

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



80506A



626137



06687B

# Complementary

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



80506A



508066

# 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.



116A68



80506A



4B6641

# Square

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



80506A



755A37



316953



2E6486

# Rectangle

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



80506A



855148



316953



016975



# Sweetspot

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



80506A



A6949D



665080



54494F



D4D4D4



545454



# Same Dimension

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



80506A



A65B84



805052



40393D



800045



000000



# Inverse Universe

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



80506A



A65B84



50807E



40393D



800045

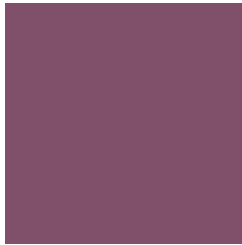


000000



# Previews

## White Background



This preview shows how the Hex color 80506A looks on a white background.

## Color Contrast Check

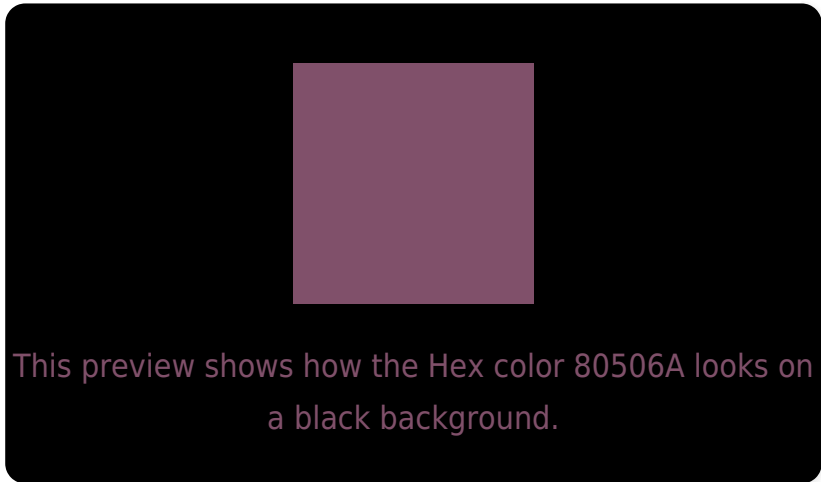
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

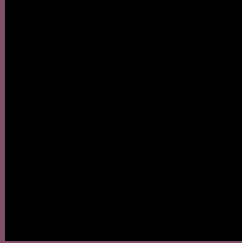
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 80506A Background



This preview shows how black text looks on a background with the Hex color 80506A.



This preview shows how white text looks on a background with the Hex color 80506A.

# 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**  
80506A

**Protanopia**  
5A5E73

**Deuteranopia**  
645C68



**Tritanopia**  
7E5359

# Trichromacy



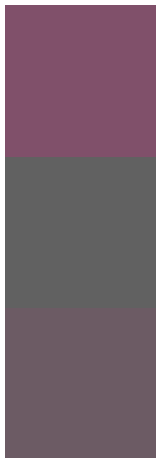
**Original Color**  
80506A

**Protanomaly**  
685970

**Deuteranomaly**  
6E5869

**Tritanomaly**  
7F525F

# Monochromacy



**Original Color**  
80506A

**Achromatopsia**  
616161

**Achromatomaly**  
6C5B64

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80506A 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 #80506A looks like.

```
.text, #text, p{  
    color:#80506A  
}
```

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 #80506A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80506A
}
```

## Border

The CSS property to change the border of an element to Hex 80506A is called "border". The border property can be set on classes, ids or directly on the HTML element.

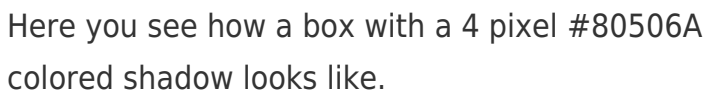
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#80506A }
```

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

```
.border{ border-color:#80506A }
```

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



Here you see how a box with a 4 pixel #80506A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80506A; -webkit-box-shadow:4px 4px  
4px 4px #80506A; box-shadow:4px 4px 4px  
4px #80506A }
```

# Background

The CSS property to change the background color of an element to Hex 80506A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80506A }
```

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

```
.background{ background-color:#80506A }
```

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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