

# Converting Colors

Hex(78366A)

Have a look what the booklet for  
Hex(78366A) contains.

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# Color

**Hex(78366A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78366A
RGB	120, 54, 106
RGB Percent	47%, 21%, 42%
CMY	0.5294, 0.7882, 0.5843
CMYK	0.00, 0.55, 0.12, 0.53
HSL	313°, 38%, 34%
HSV	313°, 55%, 47%
XYZ	11.6664, 7.6720, 14.5016
YIQ	79.6620, 22.6440, 30.1640

# Conversions

## Conversions Part 2

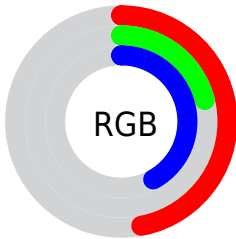
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 54, 106
Decimal	7878250
CIE <sub>Lab</sub>	33.29, 36.03, -17.15
CIE <sub>LCh</sub>	33, 39.904, 334.540
Yxy	7.6720, 0.3448, 0.2267
Android (android.graphics.Color)	4286068330 (0xFF78366A)
YUV	79.6620, 12.9846, 35.3764
Hunter-Lab	27.6984, 26.7110, -11.6527

# Details

The Hex color **78366A** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **367844**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **AE689D**, and **45023B** is the 20% darker color. If you saturate the color by 10%, you get **782A67**, and if you desaturate by 10%, it is **78426D**.

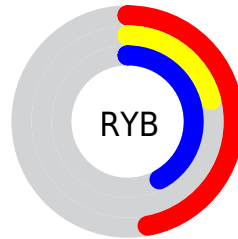
# Distribution



Red (47%)

Green (21%)

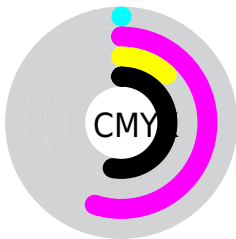
Blue (42%)



Red (47%)

Yellow (21%)

Blue (42%)

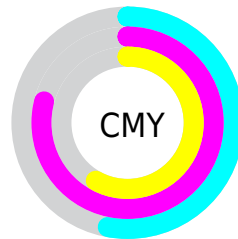


Cyan (0%)

Magenta (55%)

Yellow (12%)

Black (53%)



Cyan (53%)

Magenta (79%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78366A 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 78366A by changing the saturation by 10% instead.



 78366A

 78366A

FFFFFF

 5E1D52

 AE689D

 45023B

 CA82B8

 2E0025

 E79CD4

 0C000E

 FFB8F1

 000000

 FFD4FF

 FFF0FF

 78366A

 78366A

 782A67

 78426D

■ 781E65

■ 784E6F

■ 781262

■ 785A72

■ 780660

■ 786674

■ 78005F

■ 787277

■ 787E79

■ 788A7C

■ 78967E

■ 78A281

# Harmonies

## Analogous

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



554483



78366A



862F4B

# Triad

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



78366A



5A4E05



005D71

# Complementary

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



78366A



367844

# 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.



005D52



78366A



395715

# Square

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



78366A



734313



005B32



005987

# Rectangle

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



78366A



863236



005B32



005D68



# Sweetspot

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



78366A



9C8196



433678



4F3F4C



CFCFCF



4F4F4F



# Same Dimension

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



78366A



9C3586



78364A



3D373C



7D0062



FC00C7



# Inverse Universe

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



78366A



9C3586



367864



3D373C



7D0062



FC00C7



# Previews

## White Background



This preview shows how the Hex color 78366A looks on a white background.

## Color Contrast Check

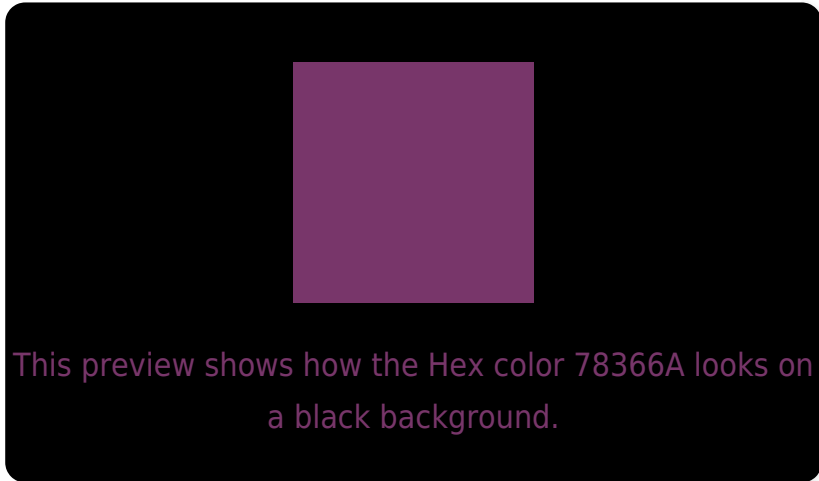
Large Text (above 18pt) WCAG AA ✓ Pass

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

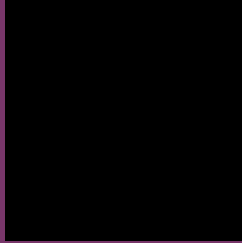
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 78366A Background



This preview shows how black text looks on a background with the Hex color 78366A.

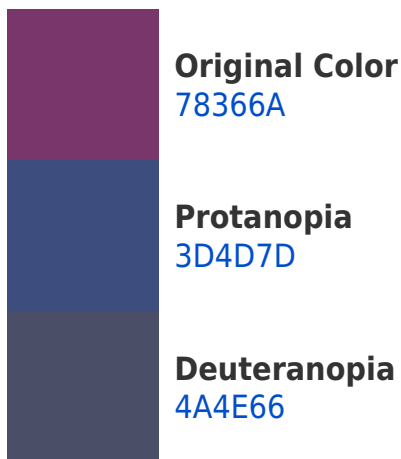



This preview shows how white text looks on a background with the Hex color 78366A.

# 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





**Tritanopia**  
743F44

# Trichromacy



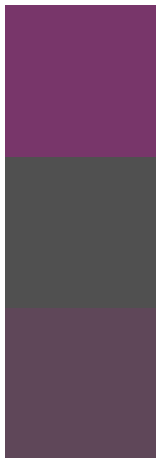
**Original Color**  
78366A

**Protanomaly**  
524576

**Deuteranomaly**  
5B4567

**Tritanomaly**  
753C52

# Monochromacy



**Original Color**  
78366A

**Achromatopsia**  
505050

**Achromatomaly**  
5F4759

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78366A 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 #78366A looks like.

```
.text, #text, p{  
    color:#78366A  
}
```

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 #78366A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78366A
}
```

## Border

The CSS property to change the border of an element to Hex 78366A 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
#78366A }
```

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

```
.border{ border-color:#78366A }
```

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

Here you see how a box with a 4 pixel #78366A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78366A; -webkit-box-shadow:4px 4px  
4px 4px #78366A; box-shadow:4px 4px 4px  
4px #78366A }
```

# Background

The CSS property to change the background color of an element to Hex 78366A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78366A }
```

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

```
.background{ background-color:#78366A }
```

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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