

# Converting Colors

YUV(106.8020, 10.4506, 8.0666)

Have a look what the booklet for  
YUV(106.8020, 10.4506, 8.0666)  
contains.

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# Color

**YUV(106.8020, 10.4506,  
8.0666)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	746280
RGB	116, 98, 128
RGB Percent	45%, 38%, 50%
CMY	0.5451, 0.6157, 0.4980
CMYK	0.09, 0.23, 0.00, 0.50
HSL	276°, 13%, 44%
HSV	276°, 23%, 50%
XYZ	15.4664, 14.0069, 22.3105
YIQ	106.8020, 1.0980, 13.1460

# Conversions

## Conversions Part 2

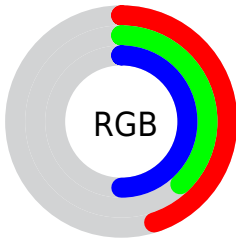
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	116, 98, 128
Decimal	7627392
CIE Lab	44.24, 13.31, -14.04
CIE LCh	44, 19.345, 313.459
Yxy	14.0069, 0.2987, 0.2705
Android (android.graphics.Color)	4285817472 (0xFF746280)
YUV	106.8020, 10.4506, 8.0666
Hunter-Lab	37.4258, 8.2711, -9.1463

# Details

The YUV color **106.8020, 10.4506, 8.0666** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **119.1980, -10.4506, -8.0666**, and the grayscale version is **107.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **158.3290, 11.1768, 8.4815**, and **58.9760, 9.8718, 7.0370** is the 20% darker color. If you saturate the color by 10%, you get **97.6760, 14.9497, 11.6851**, and if you desaturate by 10%, it is **115.9280, 5.9515, 4.4481**.

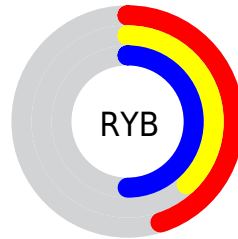
# Distribution



Red (45%)

Green (38%)

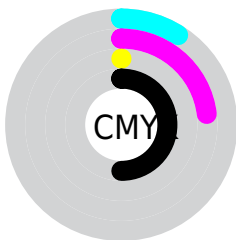
Blue (50%)



Red (45%)

Yellow (38%)

Blue (50%)

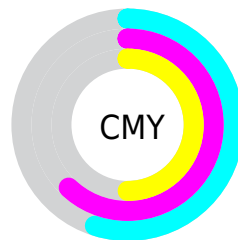


Cyan (9%)

Magenta (23%)

Yellow (0%)

Black (50%)



Cyan (55%)

Magenta (62%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 106.8020, 10.4506, 8.0666 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 YUV color 106.8020, 10.4506, 8.0666 by changing the saturation by 10% instead.



■ 106.8020, 10.4506,  
8.0666

■ 106.8020, 10.4506,  
8.0666

■ 255.0000, 0.0000,  
0.0000

■ 82.3890, 10.1612,  
7.5518

■ 158.3290, 11.1768,  
8.4815

■ 58.9760, 9.8718,  
7.0370

■ 185.0410, 11.3188,  
9.6110

■ 37.4490, 9.1456,  
6.6222

■ 213.1550, 11.7556,  
9.5111

■ 15.4600, 9.1402,  
8.3666

■ 240.0150, 7.3876,  
10.5108

■ 1.1400, 4.3680,  
-0.9998

■ 0.0000, 0.0000,  
0.0000

■ 106.8020, 10.4506,  
8.0666

■ 106.8020, 10.4506,  
8.0666

■ 97.6760, 14.9497,  
11.6851

■ 115.9280, 5.9515,  
4.4481

■ 88.5500, 19.4489,  
15.3037

■ 125.0540, 1.4524,  
0.8296

■ 80.0110, 23.6586,  
18.4074

■ 133.5930, -2.7573,  
-2.2741

■ 70.8850, 28.1577,  
22.0259

■ 142.7190, -7.2565,  
-5.8926

■ 61.4600, 32.8042,  
25.0296

■ 152.1440,  
-11.9030, -8.8963

■ 52.3340, 37.3033,  
28.6481

■ 161.2700,  
-16.4021, -12.5148

■ 43.2080, 41.8025,  
32.2666


■ 170.3960,  
-20.9012, -16.1333

■ 37.6150, 44.5598,

■ 178.9350,

34.5406

-25.1110, -19.2370

 188.0610,  
-29.6101, -22.8555

# Harmonies

## Analogous

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



104.9570, 15.3042, -8.7323



106.8020, 10.4506, 8.0666



107.3430, 3.2819, 20.7472

# Triad

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



106.8020, 10.4506, 8.0666



104.7990, -15.1839, 16.8393



96.9140, 6.9444, -34.1276

# Complementary

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



106.8020, 10.4506, 8.0666



119.1980, -10.4506, -8.0666

# 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.



98.6890, -1.8187, -23.4063



106.8020, 10.4506, 8.0666



103.1350, -14.8566, 5.1436

# Square

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



106.8020, 10.4506, 8.0666



105.8800, -11.2798, 24.6612



101.0130, -9.8664, -8.7814



97.1510, 14.2226, -35.2124



# Rectangle

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



106.8020, 10.4506, 8.0666



106.9970, -1.9705, 25.4356



101.0130, -9.8664, -8.7814



97.5400, 4.1708, -31.1686

# Sweetspot

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



106.8020, 10.4506, 8.0666



157.4610, 4.2097, 3.1037



108.4640, 9.6312, -9.1769



78.9940, 2.4680, 1.7593



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

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



106.8020, 10.4506, 8.0666



132.7300, 16.4021, 12.5148



110.0480, 7.3713, 15.7439



58.9940, 2.4680, 1.7593



37.6150, 44.5598, 34.5406



0.0000, 0.0000, 0.0000



# Inverse Universe

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



108.3380, 0.8194, 17.2436



135.2190, 1.3710, 26.9949



115.9520, -7.3713, -15.7439



59.4350, 0.2785, 4.0035



44.0860, 3.4086, 73.5926

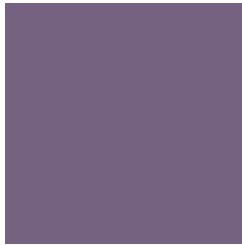


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 106.8020, 10.4506, 8.0666 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



This preview shows how the YUV color 106.8020, 10.4506, 8.0666 looks on a 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](#).

# YUV 106.8020, 10.4506, 8.0666

## Background



This preview shows how black text looks on a background with the YUV color 106.8020, 10.4506, 8.0666.



This preview shows how white text looks on a background with the YUV color 106.8020, 10.4506, 8.0666.



# 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

106.8020, 10.4506, 8.0666

### Protanopia

105.3980, 13.1148, -6.4880

### Deuteranopia

105.4480, 10.6251, -1.2699



## Tritanopia

105.5000, 1.7255, 6.5775

# Trichromacy



## Original Color

106.8020, 10.4506, 8.0666

## Protanomaly

106.2030, 12.2249, -1.0550

## Deuteranomaly

106.0570, 10.3249, 1.7040

## Tritanomaly

106.0100, 4.9251, 7.0072

# Monochromacy



## Original Color

106.8020, 10.4506, 8.0666

## Achromatopsia

107.0000, 0.0000, 0.0000

## Achromatomaly

107.0480, 3.9203, 2.5889

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 106.8020, 10.4506, 8.0666 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 `rgb(116, 98, 128)` looks like.

```
.text, #text, p{  
    color:rgb(116, 98, 128)  
}
```

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 rgb(116, 98, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 98, 128) }
```

## Border

The CSS property to change the border of an element to YUV 106.8020, 10.4506, 8.0666 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 rgb(116, 98, 128) }
```



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

```
.border{ border-color:rgb(116, 98, 128) }
```

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

Here you see how a box with a 4 pixel rgb(116, 98, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 98, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 98, 128);  
box-shadow:4px 4px 4px 4px rgb(116, 98,  
128) }
```

# Background

The CSS property to change the background color of an element to YUV 106.8020, 10.4506, 8.0666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 98, 128) }
```

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

```
.background{ background-color: rgb(116, 98,  
128) }
```

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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