

# Converting Colors

YUV(156.0800, 4.8906,  
-75.4922)

Have a look what the booklet for  
YUV(156.0800, 4.8906, -75.4922)  
contains.

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# Color

**YUV(156.0800, 4.8906,  
-75.4922)**

# Conversions

Conversions Part 1	
Format	Color
Hex	46C6A6
RGB	70, 198, 166
RGB Percent	27%, 78%, 65%
CMY	0.7255, 0.2235, 0.3490
CMYK	0.65, 0.00, 0.16, 0.22
HSL	165°, 53%, 53%
HSV	165°, 65%, 78%
XYZ	29.6028, 44.4434, 43.0946
YIQ	156.0800, -66.0160, -37.0880

# Conversions

## Conversions Part 2

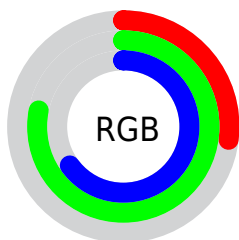
Format	Color
<a href="#">RYB</a>	<a href="#">70, 143, 198</a>
Decimal	<a href="#">4638374</a>
CIELab	<a href="#">72.52, -42.65, 5.79</a>
CIELCh	<a href="#">73, 43.036, 172.274</a>
Yxy	<a href="#">44.4434, 0.2527, 0.3794</a>
Android (android.graphics.Color)	<a href="#">4282828454</a> (0xFF46C6A6)
YUV	<a href="#">156.0800, 4.8906, -75.4922</a>
Hunter-Lab	<a href="#">66.6659, -37.4029, 8.3395</a>

# Details

The YUV color **156.0800, 4.8906, -75.4922** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **111.9200, -4.8906, 75.4922**, and the grayscale version is **156.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **214.3470, 3.2799, -72.2183**, and **96.9370, 8.4121, -85.0137** is the 20% darker color. If you saturate the color by 10%, you get **149.5300, 5.6547, -87.2878**, and if you desaturate by 10%, it is **162.6300, 4.1264, -63.6965**.

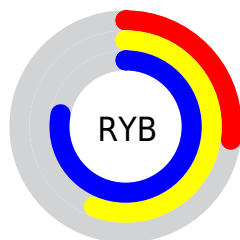
# Distribution



Red (27%)

Green (78%)

Blue (65%)



Red (27%)

Yellow (56%)

Blue (78%)

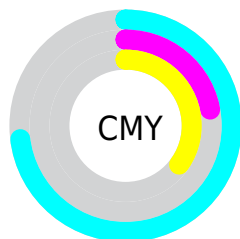


Cyan (65%)

Magenta (0%)

Yellow (16%)

Black (22%)



Cyan (73%)

Magenta (22%)

Yellow (35%)

# Brightness & Saturation

## Gradients

These gradients show how the YUV color 156.0800, 4.8906, -75.4922 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 156.0800, 4.8906, -75.4922 by changing the saturation by 10% instead.





 156.0800, 4.8906,  
-75.4922


 156.0800, 4.8906,  
-75.4922


255.0000, 0.0000,  
0.0000

 124.7200, 7.5330,  
-83.0694


 214.3470, 3.2799,  
-72.2183

 96.9370, 8.4121,  
-85.0137


 226.3240, 11.6723,  
-57.2891


 78.9390, 5.4531,  
-69.2295


 235.8640, 9.4340,  
-39.3457

 61.5280, 2.2047,  
-53.9601

 244.8340, 5.0118,  
-20.9024

 44.3450, -0.1701,  
-38.8906

 253.8040, 0.5896,  
-2.4591

 28.5640, -2.2501,  
-25.0506

 9.3920, -4.6303,

-8.2368

0.0000, 0.0000,  
0.0000

156.0800, 4.8906,  
-75.4922

156.0800, 4.8906,  
-75.4922

149.5300, 5.6547,  
-87.2878

162.6300, 4.1264,  
-63.6965

142.9800, 6.4189,  
-99.0835

169.1800, 3.3623,  
-51.9009


136.7290, 7.0356,  
-110.2643


175.4310, 2.7455,  
-40.7200

133.2120, 7.7835,  
-116.8269

181.9810, 1.9814,  
-28.9243

188.5310, 1.2172,  
-17.1287

 195.0810, 0.4531,  
-5.3330

 201.6310, -0.3111,  
6.4626

 207.8820, -0.9278,  
17.6435

 214.4320, -1.6920,  
29.4391

# Harmonies

## Analogous

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



166.1550, -18.8104, -33.4619



156.0800, 4.8906, -75.4922



139.7100, 32.6810, -122.5257

# Triad

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



156.0800, 4.8906, -75.4922



178.9240, 35.5335, -10.4573



178.1430, -30.1435, 55.1256

# Complementary

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



156.0800, 4.8906, -75.4922



111.9200, -4.8906, 75.4922

# 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.



179.9220, -14.7515, 64.9664



156.0800, 4.8906, -75.4922



182.8060, 21.2946, 29.9881

# Square

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



156.0800, 4.8906, -75.4922



166.6680, 43.5477, -61.0988



181.8020, 4.0416, 57.1786



175.6380, -37.7825, 31.8895



# Rectangle

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



156.0800, 4.8906, -75.4922



141.2720, 43.7429, -123.8955



181.8020, 4.0416, 57.1786



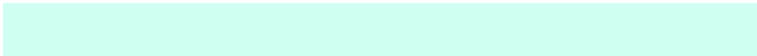
178.7290, -25.5024, 59.8737

# Sweetspot

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



156.0800, 4.8906, -75.4922



239.2800, 1.8340, -28.3096



154.7040, -41.7591, -46.2214



118.1180, 0.9278, -17.6435



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



156.0800, 4.8906, -75.4922



189.7990, 7.4941, -117.3417



140.9440, 28.1286, -62.2179



96.0810, 0.4531, -5.3330



109.5890, 6.1186, -96.1096



24.2100, 1.3755, -21.2322



# Inverse Universe

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



111.9200, -4.8906, 75.4922



121.2010, -7.4941, 117.3417



127.0560, -28.1286, 62.2179



92.9190, -0.4531, 5.3330



53.4110, -6.1186, 96.1096

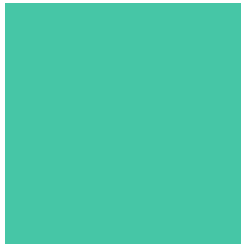


11.7900, -1.3755, 21.2322



# Previews

## White Background



This preview shows how the YUV color 156.0800, 4.8906, -75.4922 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

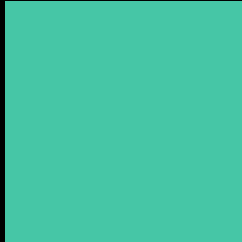
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 156.0800, 4.8906, -75.4922 looks on a black 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

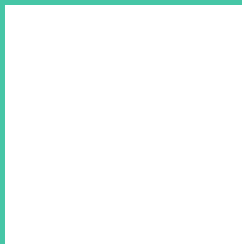
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 156.0800, 4.8906, -75.4922

## Background



This preview shows how black text looks on a background with the YUV color 156.0800, 4.8906, -75.4922.



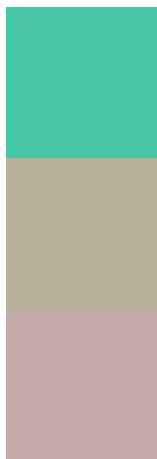
This preview shows how white text looks on a background with the YUV color 156.0800, 4.8906, -75.4922.



# 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

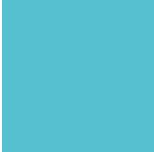
156.0800, 4.8906, -75.4922

### Protanopia

176.1830, -10.9362, 7.7325

### Deuteranopia


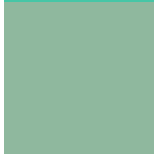
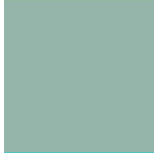
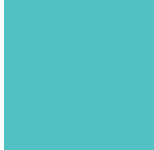
178.2900, -3.1010, 14.6547




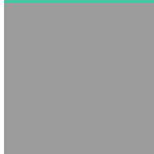
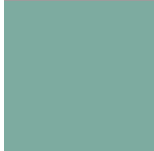
## **Tritanopia**

162.4290, 22.4665, -66.1512

# Trichromacy

	<b>Original Color</b> 156.0800, 4.8906, -75.4922
	<b>Protanomaly</b> 168.7770, -5.3131, -22.6064
	<b>Deuteranomaly</b> 170.4770, -0.2352, -17.9583
	<b>Tritanomaly</b> 160.0990, 16.2202, -69.3698

# Monochromacy

	<b>Original Color</b> 156.0800, 4.8906, -75.4922
	<b>Achromatopsia</b> 156.0000, 0.0000, 0.0000
	<b>Achromatomaly</b> 155.9920, 1.9759, -27.1800

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 156.0800, 4.8906, -75.4922 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(70, 198, 166)` looks like.

```
.text, #text, p{  
    color:rgb(70, 198, 166)  
}
```

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(70, 198, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 198, 166) }
```

## Border

The CSS property to change the border of an element to YUV 156.0800, 4.8906, -75.4922 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(70, 198, 166) }
```



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

```
.border{ border-color:rgb(70, 198, 166) }
```

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

Here you see how a box with a 4 pixel rgb(70, 198, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 198, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 198, 166);  
box-shadow:4px 4px 4px 4px rgb(70, 198,  
166) }
```

# Background

The CSS property to change the background color of an element to YUV 156.0800, 4.8906, -75.4922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 198, 166) }
```

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

```
.background{ background-color: rgb(70, 198,  
166) }
```

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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