

# Converting Colors

YUV(116.8570, 0.0705,  
-22.6766)

Have a look what the booklet for  
YUV(116.8570, 0.0705, -22.6766)  
contains.

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# Color

**YUV(116.8570, 0.0705,  
-22.6766)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5B8275
RGB	91, 130, 117
RGB Percent	36%, 51%, 46%
CMY	0.6431, 0.4902, 0.5412
CMYK	0.30, 0.00, 0.10, 0.49
HSL	160°, 18%, 43%
HSV	160°, 30%, 51%
XYZ	15.5079, 19.4738, 19.7711
YIQ	116.8570, -19.0710, -12.3110

# Conversions

## Conversions Part 2

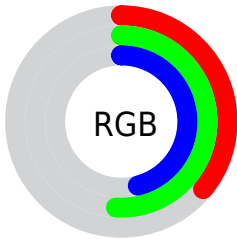
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 114, 130
Decimal	5997173
CIE <sub>Lab</sub>	51.24, -16.60, 2.67
CIE <sub>LCh</sub>	51, 16.811, 170.855
Yxy	19.4738, 0.2832, 0.3557
Android (android.graphics.Color)	4284187253 (0xFF5B8275)
YUV	116.8570, 0.0705, -22.6766
Hunter-Lab	44.1291, -14.4972, 4.3268

# Details

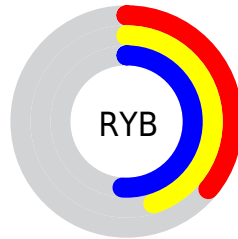
The YUV color **116.8570, 0.0705, -22.6766** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **104.1430, -0.0705, 22.6766**, and the grayscale version is **117.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **169.1450, -0.0715, -23.8062**, and **67.6830, 0.6493, -21.6470** is the 20% darker color. If you saturate the color by 10%, you get **112.5140, 0.2396, -30.2688**, and if you desaturate by 10%, it is **121.2000, -0.0986, -15.0844**.

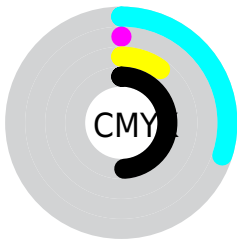
# Distribution



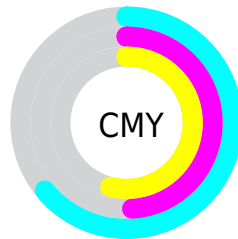
- Red (36%)
- Green (51%)
- Blue (46%)



- Red (36%)
- Yellow (45%)
- Blue (51%)



- Cyan (30%)
- Magenta (0%)
- Yellow (10%)
- Black (49%)















- Cyan (64%)
- Magenta (49%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 116.8570, 0.0705, -22.6766 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 116.8570, 0.0705, -22.6766 by changing the saturation by 10% instead.



 116.8570, 0.0705, -22.6766	 116.8570, 0.0705, -22.6766
255.0000, 0.0000, 0.0000	 92.1560, -0.0769, -22.0618
 169.1450, -0.0715, -23.8062	 67.6830, 0.6493, -21.6470
 196.7320, -0.3609, -24.3210	 44.7970, 1.0861, -21.7470
 224.7320, -0.3609, -24.3210	 24.0960, 0.9387, -21.1322
 245.8020, 3.5486, -18.2434	 4.6960, -2.3151, -4.1184
254.7010, 0.1474, -0.6148	 0.0000, 0.0000, 0.0000

■ 116.8570, 0.0705,  
-22.6766

■ 116.8570, 0.0705,  
-22.6766

■ 112.5140, 0.2396,  
-30.2688

■ 121.2000, -0.0986,  
-15.0844

■ 108.0570, -0.0281,  
-37.7610

■ 125.6570, 0.1691,  
-7.5922

■ 103.7140, 0.1410,  
-45.3532

■ 130.0000, 0.0000,  
0.0000

■ 99.3710, 0.3101,  
-52.9454

■ 134.3430, -0.1691,  
7.5922

■ 94.9140, 0.0424,  
-60.4376

■ 138.8000, 0.0986,  
15.0844

■ 90.5710, 0.2115,  
-68.0298

■ 143.1430, -0.0705,  
22.6766

■ 86.2280, 0.3806,  
-75.6220

■ 147.4860, -0.2396,  
30.2688

■ 151.9430, 0.0281,

37.7610

■ 156.2860, -0.1410,  
45.3532

# Harmonies

## Analogous

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



118.6860, -7.2402, -11.1256



116.8570, 0.0705, -22.6766



115.8760, 7.9491, -29.7093

# Triad

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



116.8570, 0.0705, -22.6766



123.0070, 12.8145, -3.5141



123.1570, -11.4164, 21.7873

# Complementary

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



116.8570, 0.0705, -22.6766



104.1430, -0.0705, 22.6766

# 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.



123.9600, -5.8963, 24.5911



116.8570, 0.0705, -22.6766



124.1290, 7.8244, 10.4109

# Square

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



116.8570, 0.0705, -22.6766



120.0760, 14.7525, -18.4837



124.4740, 1.2453, 20.6323



122.1190, -13.8627, 13.0506



# Rectangle

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



116.8570, 0.0705, -22.6766



116.5000, 11.5855, -29.3795



124.4740, 1.2453, 20.6323



123.6240, -9.6746, 23.1318

# Sweetspot

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



116.8570, 0.0705, -22.6766



162.9450, 0.0271, -8.7218



117.7800, -13.2025, -12.0851



80.9670, 0.0163, -5.2331



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.



116.8570, 0.0705, -22.6766



147.7800, 0.1085, -34.8871



114.2300, 7.7746, -20.3727



61.6790, 0.1583, -4.1035



84.8260, 0.0858, -74.3924



0.0000, 0.0000, 0.0000



# Inverse Universe

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



104.1430, -0.0705, 22.6766



128.2200, -0.1085, 34.8871



106.7700, -7.7746, 20.3727



59.4350, 0.2785, 4.0035



43.1740, -0.0858, 74.3924



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 116.8570, 0.0705, -22.6766 looks on a white 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



# Black Background



This preview shows how the YUV color 116.8570, 0.0705, -22.6766 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

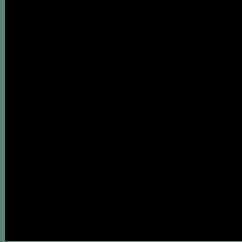
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 116.8570, 0.0705, -22.6766

## Background



This preview shows how black text looks on a background with the YUV color 116.8570, 0.0705, -22.6766.



This preview shows how white text looks on a background with the YUV color 116.8570, 0.0705,

-22.6766.

# 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

116.8570, 0.0705, -22.6766

### Protanopia

121.4690, -4.6682, 3.9737

### Deuteranopia

123.0120, -1.4849, 9.6365



## Tritanopia

118.5720, 9.0850, -20.6726

# Trichromacy



## Original Color

116.8570, 0.0705, -22.6766

## Protanomaly

119.5710, -2.7465, -5.7628

## Deuteranomaly

120.4620, -0.7208, -2.1592

## Tritanomaly

118.0620, 5.8854, -21.1024

# Monochromacy



## Original Color

116.8570, 0.0705, -22.6766

## Achromatopsia

117.0000, 0.0000, 0.0000

## Achromatomaly

117.2440, -0.1203, -8.1070

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 116.8570, 0.0705, -22.6766 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(91, 130, 117)` looks like.

```
.text, #text, p{  
    color:rgb(91, 130, 117)  
}
```

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(91, 130, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 130, 117) }
```

## Border

The CSS property to change the border of an element to YUV 116.8570, 0.0705, -22.6766 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(91, 130, 117) }
```



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

```
.border{ border-color:rgb(91, 130, 117) }
```

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

Here you see how a box with a 4 pixel rgb(91, 130, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 130, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 130, 117);  
box-shadow:4px 4px 4px 4px rgb(91, 130,  
117) }
```

# Background

The CSS property to change the background color of an element to YUV 116.8570, 0.0705, -22.6766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 130, 117) }
```

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

```
.background{ background-color: rgb(91, 130,  
117) }
```

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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