

# Converting Colors

YUV(67.3950, 17.5533,  
-30.1644)

Have a look what the booklet for  
YUV(67.3950, 17.5533, -30.1644)  
contains.

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# Color

**YUV(67.3950, 17.5533,  
-30.1644)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	214E67
RGB	33, 78, 103
RGB Percent	13%, 31%, 40%
CMY	0.8706, 0.6941, 0.5961
CMYK	0.68, 0.24, 0.00, 0.60
HSL	201°, 51%, 27%
HSV	201°, 68%, 40%
XYZ	5.7998, 6.7514, 13.8294
YIQ	67.3950, -34.8450, -1.7650

# Conversions

## Conversions Part 2

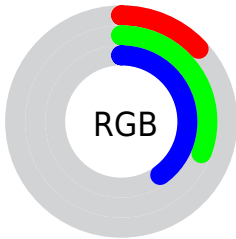
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 60, 103
Decimal	2182759
CIE <sub>Lab</sub>	31.23, -6.75, -19.10
CIE <sub>LCh</sub>	31, 20.253, 250.535
Yxy	6.7514, 0.2198, 0.2559
Android (android.graphics.Color)	4280372839 (0xFF214E67)
YUV	67.3950, 17.5533, -30.1644
Hunter-Lab	25.9834, -5.6279, -13.3681

# Details

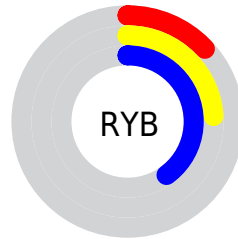
The YUV color **67.3950, 17.5533, -30.1644** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **68.6050, -17.5533, 30.1644**, and the grayscale version is **67.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **117.8190, 17.8372, -27.9053**, and **26.3420, 14.6214, -23.1019** is the 20% darker color. If you saturate the color by 10%, you get **62.0570, 20.1849, -34.2530**, and if you desaturate by 10%, it is **72.7330, 14.9216, -26.0758**.

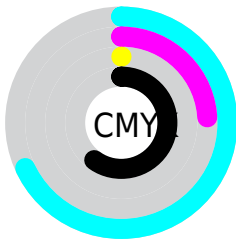
# Distribution



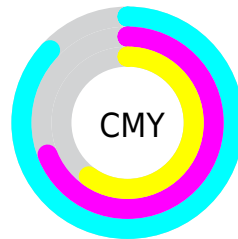
- Red (13%)
- Green (31%)
- Blue (40%)



- Red (13%)
- Yellow (24%)
- Blue (40%)



- Cyan (68%)
- Magenta (24%)
- Yellow (0%)
- Black (60%)



- Cyan (87%)
- Magenta (69%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 67.3950, 17.5533, -30.1644 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 67.3950, 17.5533, -30.1644 by changing the saturation by 10% instead.



67.3950, 17.5533,  
-30.1644

67.3950, 17.5533,  
-30.1644

255.0000, 0.0000,  
0.0000

41.2910, 18.5905,  
-36.2122

117.8190, 17.8372,  
-27.9053

26.3420, 14.6214,  
-23.1019

143.9330, 18.2740,  
-28.0052

10.4470, 12.1046,  
-9.1620

171.0470, 18.7108,  
-28.1052

1.1400, 4.3680,  
-0.9998

198.1610, 19.1476,  
-28.2052

0.0000, 0.0000,  
0.0000

225.0210, 14.7796,  
-27.2054

245.1330, 4.8644,

-20.2876

253.8040, 0.5896,  
-2.4591

67.3950, 17.5533,  
-30.1644

67.3950, 17.5533,  
-30.1644

62.0570, 20.1849,  
-34.2530

72.7330, 14.9216,  
-26.0758

57.0070, 22.6745,  
-39.4711

77.7830, 12.4320,  
-20.8577

51.6690, 25.3062,  
-43.5597

83.1210, 9.8003,  
-16.7691

50.4840, 25.8904,  
-44.2745

88.4590, 7.1687,  
-12.6805

93.5090, 4.6791,  
-7.4624

■ 98.8470, 2.0474,  
-3.3738

■ 104.1850, -0.5842,  
0.7148

■ 108.9360, -2.9264,  
5.3181

■ 114.5730, -5.7055,  
10.0215

# Harmonies

## Analogous

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



61.2530, 16.1443, -44.9489



67.3950, 17.5533, -30.1644



72.6470, 15.4570, -11.0914

# Triad

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



67.3950, 17.5533, -30.1644



74.6550, -3.2809, 25.7356



70.1980, -10.4506, -8.0666

# Complementary

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



67.3950, 17.5533, -30.1644



68.6050, -17.5533, 30.1644

# 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.



71.8470, -14.7146, 6.2732



67.3950, 17.5533, -30.1644



74.2220, -9.9694, 24.3613

# Square

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



67.3950, 17.5533, -30.1644



75.8590, 4.0135, 19.4177



73.3260, -14.4577, 17.2541



67.1730, -2.5503, -22.0767



# Rectangle

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



67.3950, 17.5533, -30.1644



74.7410, 12.9457, 1.1041



73.3260, -14.4577, 17.2541



70.4760, -12.0667, -3.0485

# Sweetspot

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



67.3950, 17.5533, -30.1644



121.0570, 6.8739, -11.4510



76.9400, -9.3374, -38.5354



60.3950, 4.2423, -7.3624



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000



# Same Dimension

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



67.3950, 17.5533, -30.1644



78.9180, 27.6484, -48.1631



46.8500, 27.6820, -12.1464



48.3310, 1.3158, -2.0443



56.5480, 28.8168, -49.5926



119.1600, 60.5601, -104.5033



# Inverse Universe

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



59.0600, 9.3374, 38.5354



65.3970, 15.0873, 61.0418



89.1500, -27.6819, 12.1465



47.8370, 0.5734, 2.7740



42.8210, 15.3712, 63.3010

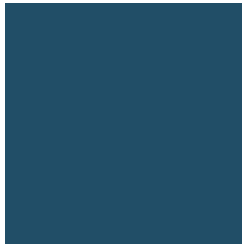


90.1420, 32.4680, 133.1795



# Previews

## White Background



This preview shows how the YUV color 67.3950, 17.5533, -30.1644 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



This preview shows how the YUV color 67.3950, 17.5533, -30.1644 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

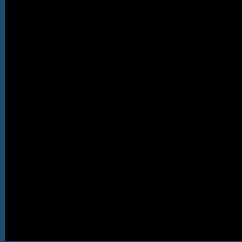
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 67.3950, 17.5533, -30.1644

## Background



This preview shows how black text looks on a background with the YUV color 67.3950, 17.5533, -30.1644.



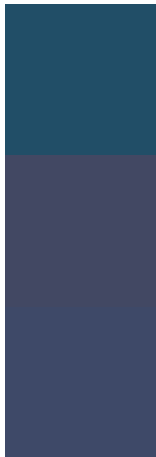
This preview shows how white text looks on a background with the YUV color 67.3950, 17.5533,

-30.1644.

# 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

67.3950, 17.5533, -30.1644

### Protanopia

73.2840, 12.6780, -6.3881

### Deuteranopia

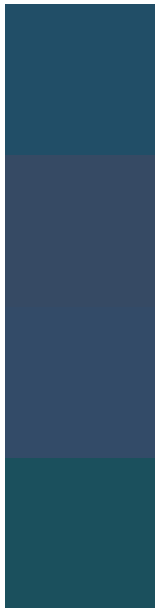
73.2450, 15.1622, -9.8619



## Tritanopia

64.3420, 11.1704, -36.2569

# Trichromacy



## Original Color

67.3950, 17.5533, -30.1644

## Protanomaly

70.9840, 14.3049, -14.8950

## Deuteranomaly

71.1300, 16.2049, -17.6540

## Tritanomaly

65.6350, 13.4909, -33.8829

# Monochromacy



## Original Color

67.3950, 17.5533, -30.1644

## Achromatopsia

67.0000, 0.0000, 0.0000

## Achromatomaly

67.2420, 6.2897, -10.7362

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 67.3950, 17.5533, -30.1644 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(33, 78, 103)` looks like.

```
.text, #text, p{  
    color:rgb(33, 78, 103)  
}
```

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(33, 78, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 78, 103) }
```

## Border

The CSS property to change the border of an element to YUV 67.3950, 17.5533, -30.1644 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(33, 78, 103) }
```



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

```
.border{ border-color:rgb(33, 78, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 78, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 78, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 78, 103);  
box-shadow:4px 4px 4px 4px rgb(33, 78,  
103) }
```

# Background

The CSS property to change the background color of an element to YUV 67.3950, 17.5533, -30.1644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 78, 103) }
```

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

```
.background{ background-color: rgb(33, 78,  
103) }
```

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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