

# Converting Colors

YUV(67.5520, 19.4479,  
-31.1791)

Have a look what the booklet for  
YUV(67.5520, 19.4479, -31.1791)  
contains.

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# Color

**YUV(67.5520, 19.4479,  
-31.1791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	204E6B
RGB	32, 78, 107
RGB Percent	13%, 31%, 42%
CMY	0.8745, 0.6941, 0.5804
CMYK	0.70, 0.27, 0.00, 0.58
HSL	203°, 54%, 27%
HSV	203°, 70%, 42%
XYZ	5.9739, 6.8174, 14.9109
YIQ	67.5520, -36.7250, -0.7330

# Conversions

## Conversions Part 2

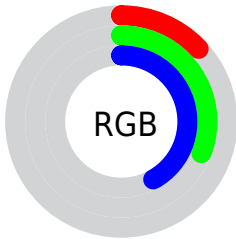
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 61, 107
Decimal	2117227
CIE <sub>Lab</sub>	31.39, -5.46, -21.39
CIE <sub>LCh</sub>	31, 22.072, 255.679
Yxy	6.8174, 0.2156, 0.2461
Android (android.graphics.Color)	4280307307 (0xFF204E6B)
YUV	67.5520, 19.4479, -31.1791
Hunter-Lab	26.1101, -4.8526, -15.5822




# Details

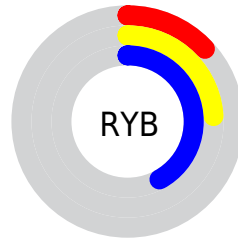
The YUV color **67.5520, 19.4479, -31.1791** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **71.4480, -19.4479, 31.1791**, and the grayscale version is **67.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **118.3890, 20.0212, -28.4052**, and **26.6840, 15.9318, -23.4019** is the 20% darker color. If you saturate the color by 10%, you get **61.9150, 22.2269, -35.8825**, and if you desaturate by 10%, it is **73.1890, 16.6688, -26.4758**.

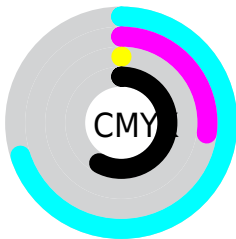
# Distribution







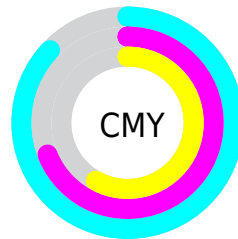
-  Red (13%)
-  Green (31%)
-  Blue (42%)






-  Red (13%)
-  Yellow (24%)
-  Blue (42%)



-  Cyan (70%)
-  Magenta (27%)
-  Yellow (0%)
-  Black (58%)



-  Cyan (87%)
-  Magenta (69%)
-  Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 67.5520, 19.4479, -31.1791 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 67.5520, 19.4479, -31.1791 by changing the saturation by 10% instead.



67.5520, 19.4479,  
-31.1791

67.5520, 19.4479,  
-31.1791

255.0000, 0.0000,  
0.0000

41.7470, 20.3377,  
-36.6121

118.3890, 20.0212,  
-28.4052

26.6840, 15.9318,  
-23.4019

144.5030, 20.4580,  
-28.5051

11.3760, 13.1256,  
-9.9768

171.5030, 20.4580,  
-28.5051

2.2970, 6.2626,  
-2.0145

198.7310, 21.3316,  
-28.7051

0.0000, 0.0000,  
0.0000

225.0210, 14.7796,  
-27.2054

245.4320, 4.7170,

-19.6729

254.1030, 0.4422,  
-1.8443

■ 67.5520, 19.4479,  
-31.1791

■ 67.5520, 19.4479,  
-31.1791

■ 61.9150, 22.2269,  
-35.8825

■ 73.1890, 16.6688,  
-26.4758

■ 56.5770, 24.8585,  
-39.9710

■ 78.5270, 14.0372,  
-22.3872

■ 50.9400, 27.6376,  
-44.6744

■ 84.1640, 11.2581,  
-17.6838

■ 90.3880, 8.1897,  
-13.4953

■ 96.0250, 5.4107,  
-8.7919

■ 101.3630, 2.7790,  
-4.7034

■ 107.0000, 0.0000,  
0.0000

■ 112.6370, -2.7790,  
4.7034

■ 117.9750, -5.4107,  
8.7919

# Harmonies

## Analogous

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



59.3060, 19.0761, -52.0114



67.5520, 19.4479, -31.1791



73.2990, 16.6146, -9.0322

# Triad

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



67.5520, 19.4479, -31.1791



74.6230, -4.7441, 28.3946



69.5890, -10.1504, -11.0406

# Complementary

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



67.5520, 19.4479, -31.1791



71.4480, -19.4479, 31.1791

# 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.



71.8960, -15.7247, 3.5992



67.5520, 19.4479, -31.1791



74.0650, -11.8640, 25.3760

# Square

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



67.5520, 19.4479, -31.1791



75.7670, 3.5659, 23.0063



73.1580, -16.3469, 16.5244



65.7100, -0.3500, -27.8097



# Rectangle

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



67.5520, 19.4479, -31.1791



75.4640, 13.0822, 3.9781



73.1580, -16.3469, 16.5244



70.3400, -12.4926, -6.4372

# Sweetspot

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



67.5520, 19.4479, -31.1791



124.8720, 7.4581, -12.1657



79.3310, -9.0372, -41.5093



61.8080, 4.5317, -6.8476



199.0000, 0.0000, 0.0000



71.0000, 0.0000, 0.0000



# Same Dimension

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



67.5520, 19.4479, -31.1791



78.3030, 30.4166, -49.3777



45.8330, 30.1553, -12.1315



50.4450, 1.7526, -2.1443



55.6020, 30.2692, -48.7630



115.9800, 63.6069, -101.7145



# Inverse Universe

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



59.6690, 9.0372, 41.5093



65.6040, 14.4922, 65.2453



93.1670, -30.1553, 12.1315



50.1360, 0.4260, 3.3887



43.1910, 14.2028, 64.7305

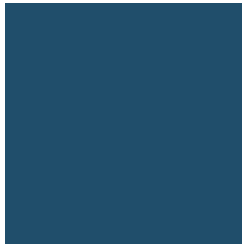


90.3550, 29.4050, 135.6237



# Previews

## White Background



This preview shows how the YUV color 67.5520, 19.4479, -31.1791 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 67.5520, 19.4479, -31.1791 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

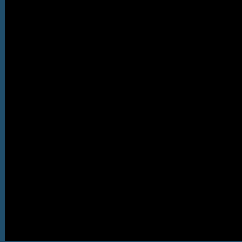
Any Text WCAG AA × Fail

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 67.5520, 19.4479, -31.1791 Background



This preview shows how black text looks on a background with the YUV color 67.5520, 19.4479, -31.1791.



This preview shows how white text looks on a background with the YUV color 67.5520, 19.4479,

-31.1791.

# 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

67.5520, 19.4479, -31.1791

### Protanopia

74.0280, 14.2832, -7.9176

### Deuteranopia

72.8040, 17.3516, -12.1061



## Tritanopia

63.5480, 12.0548, -39.9456

# Trichromacy



## Original Color

67.5520, 19.4479, -31.1791

## Protanomaly

71.7280, 15.9101, -16.4245

## Deuteranomaly

70.9880, 18.2469, -19.2835

## Tritanomaly

65.2540, 14.6648, -37.0568

# Monochromacy



## Original Color

67.5520, 19.4479, -31.1791

## Achromatopsia

68.0000, 0.0000, 0.0000

## Achromatomaly

68.0570, 6.8739, -11.4510

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 67.5520, 19.4479, -31.1791 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(32, 78, 107)` looks like.

```
.text, #text, p{  
    color:rgb(32, 78, 107)  
}
```

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(32, 78, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 78, 107) }
```

## Border

The CSS property to change the border of an element to YUV 67.5520, 19.4479, -31.1791 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(32, 78, 107) }
```



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

```
.border{ border-color:rgb(32, 78, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 78, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 78, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 78, 107);  
box-shadow:4px 4px 4px 4px rgb(32, 78,  
107) }
```

# Background

The CSS property to change the background color of an element to YUV 67.5520, 19.4479, -31.1791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 78, 107) }
```

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

```
.background{ background-color: rgb(32, 78,  
107) }
```

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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