

# Converting Colors

YUV(180.7800, 30.1815,  
-67.3361)

Have a look what the booklet for  
YUV(180.7800, 30.1815, -67.3361)  
contains.

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# Color

**YUV(180.7800, 30.1815,  
-67.3361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68D0F2
RGB	104, 208, 242
RGB Percent	41%, 82%, 95%
CMY	0.5922, 0.1843, 0.0510
CMYK	0.57, 0.14, 0.00, 0.05
HSL	195°, 84%, 68%
HSV	195°, 57%, 95%
XYZ	44.2918, 54.4656, 92.1829
YIQ	180.7800, -72.8980, -11.4740

# Conversions

## Conversions Part 2

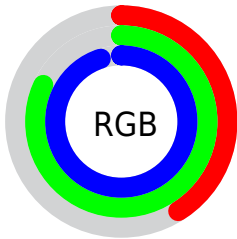
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">104, 163, 242</a>
Decimal	<a href="#">6869234</a>
CIELab	<a href="#">78.73, -20.69, -25.87</a>
CIELCh	<a href="#">79, 33.125, 231.353</a>
Yxy	<a href="#">54.4656, 0.2320, 0.2852</a>
Android (android.graphics.Color)	<a href="#">4285059314 (0xFF68D0F2)</a>
YUV	<a href="#">180.7800, 30.1815, -67.3361</a>
Hunter-Lab	<a href="#">73.8008, -22.0241, -22.3972</a>

# Details

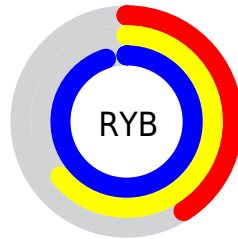
The YUV color **180.7800, 30.1815, -67.3361** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **165.2200, -30.1815, 67.3361**, and the grayscale version is **181.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **228.0900, 13.2666, -55.3299**, and **119.6860, 32.6928, -79.5316** is the 20% darker color. If you saturate the color by 10%, you get **170.0820, 35.4556, -79.0019**, and if you desaturate by 10%, it is **191.4780, 24.9073, -55.6702**.

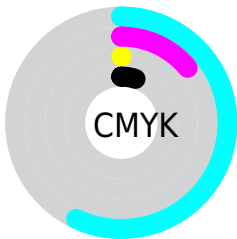
# Distribution



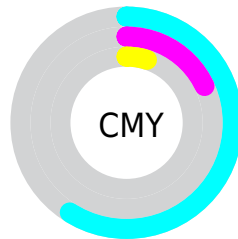
- Red (41%)
- Green (82%)
- Blue (95%)



- Red (41%)
- Yellow (64%)
- Blue (95%)



- Cyan (57%)
- Magenta (14%)
- Yellow (0%)
- Black (5%)



- Cyan (59%)
- Magenta (18%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 180.7800, 30.1815, -67.3361 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 180.7800, 30.1815, -67.3361 by changing the saturation by 10% instead.



■ 180.7800, 30.1815,  
-67.3361

■ 180.7800, 30.1815,  
-67.3361

■ 255.0000, 0.0000,  
0.0000

■ 151.2850, 30.9185,  
-70.4099

■ 228.0900, 13.2666,  
-55.3299

■ 119.6860, 32.6928,  
-79.5316

■ 237.0600, 8.8444,  
-36.8866

■ 92.6750, 32.6982,  
-81.2760

■ 246.0300, 4.4222,  
-18.4433

■ 75.0360, 28.5763,  
-65.8066

■ 57.9840, 24.1649,  
-50.8520

■ 41.7470, 20.3377,  
-36.6121

■ 26.7980, 16.3686,

-23.5018

■ 6.0930, 15.7302,  
-5.3436

■ 2.2970, 6.2626,  
-2.0145

■ 180.7800, 30.1815,  
-67.3361

■ 180.7800, 30.1815,  
-67.3361

■ 170.0820, 35.4556,  
-79.0019

■ 191.4780, 24.9073,  
-55.6702

■ 159.3840, 40.7297,  
-90.6678

■ 202.1760, 19.6332,  
-44.0044

■ 148.3870, 46.1512,  
-102.9484

■ 213.1730, 14.2117,  
-31.7237

■ 137.6890, 51.4253,  
-114.6143

■ 223.8710, 8.9376,  
-20.0579

■ 134.4220, 53.0360,  
-117.8881

■ 234.5690, 3.6635,  
-8.3920

■ 245.2670, -1.6106,  
3.2738

■ 250.5830, -4.2314,  
3.8737

■ 253.5180, -5.6784,  
1.2997

# Harmonies

## Analogous

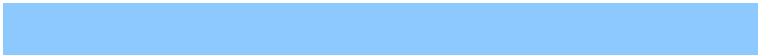
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



178.3700, 18.5516, -70.4845



180.7800, 30.1815, -67.3361



188.6290, 32.7209, -41.7706

# Triad

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



180.7800, 30.1815, -67.3361



199.6710, 2.6272, 44.1385



191.0240, -26.6338, 2.6100

# Complementary

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



180.7800, 30.1815, -67.3361



165.2200, -30.1815, 67.3361

# 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.



194.0810, -29.6199, 27.1160



180.7800, 30.1815, -67.3361



197.6320, -11.6506, 50.3117

# Square

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



180.7800, 30.1815, -67.3361



199.9100, 16.8064, 22.8809



196.3850, -23.8538, 44.3894



186.5350, -15.0538, -25.0252



# Rectangle

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



180.7800, 30.1815, -67.3361



194.3760, 29.8876, -19.6238



196.3850, -23.8538, 44.3894



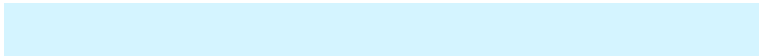
192.2100, -28.6975, 11.2168

# Sweetspot

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



180.7800, 30.1815, -67.3361



235.6860, 9.5218, -20.7726



188.6540, -25.9584, -74.2416



116.1170, 5.8583, -12.3806



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.



180.7800, 30.1815, -67.3361



178.0320, 37.9452, -84.2201



141.4510, 49.5707, -32.8445



114.6510, 2.6371, -5.8329



101.9820, 40.4349, -89.4382



31.0380, 12.3063, -27.2203



# Inverse Universe

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



157.1180, 25.0848, 74.4415



148.5470, 31.2823, 93.3593



204.5490, -49.5707, 32.8445



112.6140, 2.1623, 6.4775



70.7480, 33.1552, 99.3220

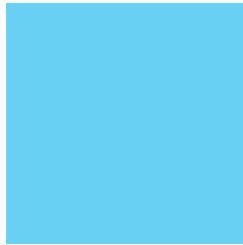


21.5320, 10.0907, 30.2284



# Previews

## White Background



This preview shows how the YUV color 180.7800, 30.1815, -67.3361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

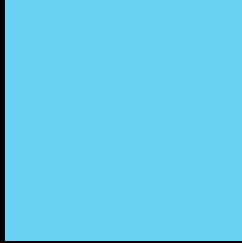
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 180.7800, 30.1815, -67.3361 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 180.7800, 30.1815, -67.3361 Background



This preview shows how black text looks on a background with the YUV color 180.7800, 30.1815, -67.3361.



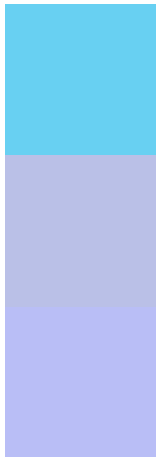
This preview shows how white text looks on a background with the YUV color 180.7800, 30.1815, -67.3361.

-67.3361.

# 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

180.7800, 30.1815, -67.3361

### Protanopia

194.6520, 17.9196, -7.5878

### Deuteranopia

194.8890, 25.1977, -8.6727



## Tritanopia

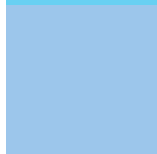
178.4500, 23.9352, -70.5546

# Trichromacy



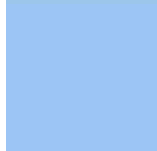
## Original Color

180.7800, 30.1815, -67.3361



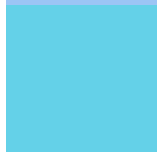
## Protanomaly

189.6600, 22.3526, -29.5198



## Deuteranomaly

190.2130, 27.0100, -30.0048



## Tritanomaly

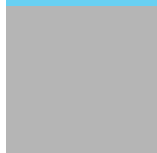
179.0310, 26.1137, -69.3102

# Monochromacy



## Original Color

180.7800, 30.1815, -67.3361



## Achromatopsia

181.0000, 0.0000, 0.0000



## Achromatomaly

181.0060, 10.8430, -24.5613

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 180.7800, 30.1815, -67.3361 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(104, 208, 242)` looks like.

```
.text, #text, p{  
    color:rgb(104, 208, 242)  
}
```

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(104, 208, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 208, 242) }
```

## Border

The CSS property to change the border of an element to YUV 180.7800, 30.1815, -67.3361 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(104, 208, 242) }
```



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

```
.border{ border-color:rgb(104, 208, 242) }
```

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

Here you see how a box with a 4 pixel rgb(104, 208, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 208, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 208, 242);  
box-shadow:4px 4px 4px 4px rgb(104, 208,  
242) }
```

# Background

The CSS property to change the background color of an element to YUV 180.7800, 30.1815, -67.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 208, 242) }
```

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

```
.background{ background-color: rgb(104,  
208, 242) }
```

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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