

# Converting Colors

YUV(127.8340, 58.2558,  
-112.1104)

Have a look what the booklet for  
YUV(127.8340, 58.2558, -112.1104)  
contains.

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# Color

**YUV(127.8340, 58.2558,  
-112.1104)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00AAF6
RGB	0, 170, 246
RGB Percent	0%, 67%, 96%
CMY	1.0000, 0.3333, 0.0353
CMYK	1.00, 0.31, 0.00, 0.04
HSL	199°, 100%, 48%
HSV	199°, 100%, 96%
XYZ	31.0093, 35.4033, 92.3879
YIQ	127.8340, -125.7160, -12.4040

# Conversions

## Conversions Part 2

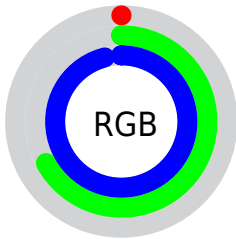
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 101, 246
Decimal	43766
CIELab	66.06, -9.50, -47.86
CIELCh	66, 48.792, 258.767
Yxy	35.4033, 0.1953, 0.2229
Android (android.graphics.Color)	4278233846 (0xFF00AAF6)
YUV	127.8340, 58.2558, -112.1104
Hunter-Lab	59.5006, -11.0993, -50.4104

# Details

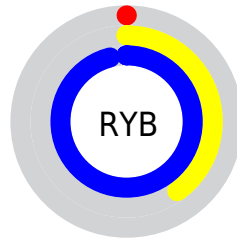
The YUV color **127.8340, 58.2558, -112.1104** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **118.1660, -58.2558, 112.1104**, and the grayscale version is **127.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **194.0350, 30.0557, -73.6987**, and **90.8120, 48.4067, -79.6421** is the 20% darker color. If you saturate the color by 10%, you get **127.8340, 58.2558, -112.1104**, and if you desaturate by 10%, it is **140.0050, 52.2555, -100.8594**.

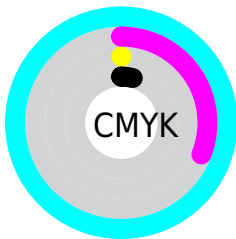
# Distribution



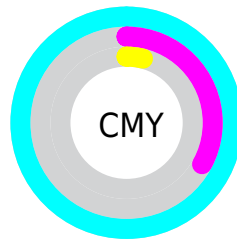
- Red (0%)
- Green (67%)
- Blue (96%)



- Red (0%)
- Yellow (40%)
- Blue (96%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (33%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 127.8340, 58.2558, -112.1104 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 127.8340, 58.2558, -112.1104 by changing the saturation by 10% instead.



■ 127.8340, 58.2558,  
-112.1104

■ 127.8340, 58.2558,  
-112.1104

■ 255.0000, 0.0000,  
0.0000

■ 109.2660, 53.1129,  
-95.8263

■ 194.0350, 30.0557,  
-73.6987

■ 90.8120, 48.4067,  
-79.6421

■ 221.2240, 16.6516,  
-67.7254

■ 73.6460, 43.5585,  
-64.5875

■ 231.6780, 11.4977,  
-47.9526

■ 56.4800, 38.7104,  
-49.5330

■ 240.9470, 6.9281,  
-28.8945

■ 40.6020, 33.7202,  
-35.6080

■ 250.5150, 2.2111,  
-9.2217

■ 26.7130, 28.7355,  
-23.4273

■ 10.4760, 24.9083,

-9.1875

■ 6.0930, 15.7302,  
-5.3436

■ 2.2970, 6.2626,  
-2.0145

■ 127.8340, 58.2558,  
-112.1104

■ 140.0050, 52.2555,  
-100.8594

■ 151.2900, 46.6920,  
-89.7083

■ 163.4610, 40.6917,  
-78.4573

■ 174.7460, 35.1282,  
-67.3062

■ 186.9170, 29.1279,  
-56.0552

■ 199.0880, 23.1276,  
-44.8042

■ 210.3730, 17.5641,  
-33.6531

■ 222.5440, 11.5638,  
-22.4021

■ 233.8290, 6.0003,  
-11.2510

# Harmonies

## Analogous

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



130.7230, 46.4786, -114.6441



127.8340, 58.2558, -112.1104



159.6500, 41.0915, -19.8641

# Triad

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



127.8340, 58.2558, -112.1104



161.4220, -13.0260, 71.5439



147.4170, -22.8836, -33.6917

# Complementary

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



127.8340, 58.2558, -112.1104



118.1660, -58.2558, 112.1104

# 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.



154.0060, -39.4430, 4.3797



127.8340, 58.2558, -112.1104



159.5460, -31.3282, 61.7882

# Square

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



127.8340, 58.2558, -112.1104



163.4480, 7.6671, 60.9971



157.6450, -41.7300, 38.0223



127.5070, 7.1450, -98.6686



# Rectangle

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



127.8340, 58.2558, -112.1104



164.7530, 31.6738, 14.2486



157.6450, -41.7300, 38.0223



150.3710, -29.7629, -20.4964

# Sweetspot

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



127.8340, 58.2558, -112.1104



218.1880, 18.1483, -34.3679



152.8380, -38.8671, -134.0389



105.4410, 11.1216, -20.5578



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.



127.8340, 58.2558, -112.1104



132.3820, 60.4507, -116.0990



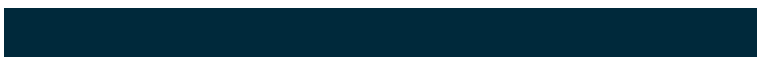
56.8070, 93.2721, -49.8197



116.6510, 2.6371, -5.8329



96.9270, 43.9130, -85.0050



30.7930, 13.9061, -27.0055



# Inverse Universe

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



92.9340, 37.9935, 134.2389



96.3090, 39.2877, 139.1720



189.1930, -93.2721, 49.8197



114.6140, 2.1623, 6.4775



70.3200, 28.9292, 101.4514



22.3150, 9.2117, 32.1727



# Previews

## White Background



This preview shows how the YUV color 127.8340, 58.2558, -112.1104 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

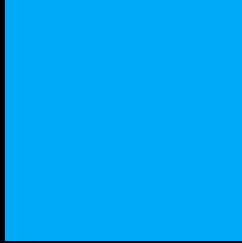
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 127.8340, 58.2558, -112.1104 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

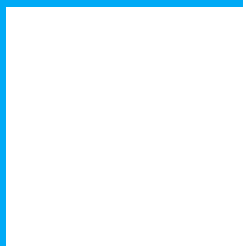
Any Text WCAG AAA ✓ Pass

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

# YUV 127.8340, 58.2558, -112.1104 Background



This preview shows how black text looks on a background with the YUV color 127.8340, 58.2558, -112.1104.



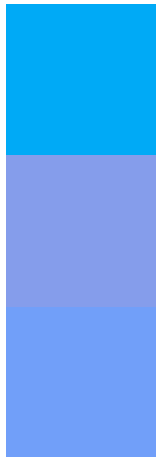
This preview shows how white text looks on a background with the YUV color 127.8340, 58.2558, -112.1104.



# 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

127.8340, 58.2558, -112.1104

### Protanopia

158.7160, 37.6080, -22.5529

### Deuteranopia

155.5060, 46.0925, -37.2778



## Tritanopia

125.5590, 31.7694, -110.1152

# Trichromacy



## Original Color

127.8340, 58.2558, -112.1104

## Protanomaly

147.7550, 44.9838, -55.0361

## Deuteranomaly

145.4810, 50.5419, -64.4428

## Tritanomaly

126.0780, 41.3735, -110.5704

# Monochromacy



## Original Color

127.8340, 58.2558, -112.1104

## Achromatopsia

128.0000, 0.0000, 0.0000

## Achromatomaly

127.6540, 21.3696, -40.9156

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 127.8340, 58.2558, -112.1104 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(0, 170, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 246)  
}
```

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(0, 170, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 246) }
```

## Border

The CSS property to change the border of an element to YUV 127.8340, 58.2558, -112.1104 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(0, 170, 246) }
```



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

```
.border{ border-color:rgb(0, 170, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
246) }
```

# Background

The CSS property to change the background color of an element to YUV 127.8340, 58.2558, -112.1104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 246) }
```

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

```
.background{ background-color: rgb(0, 170,  
246) }
```

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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