

# Converting Colors

YUV(180.5840, 30.7711,  
-69.7952)

Have a look what the booklet for  
YUV(180.5840, 30.7711, -69.7952)  
contains.

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# Color

**YUV(180.5840, 30.7711,  
-69.7952)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65D1F3
RGB	101, 209, 243
RGB Percent	40%, 82%, 95%
CMY	0.6039, 0.1804, 0.0471
CMYK	0.58, 0.14, 0.00, 0.05
HSL	194°, 86%, 67%
HSV	194°, 58%, 95%
XYZ	44.3450, 54.8387, 93.0417
YIQ	180.5840, -75.2820, -12.3220

# Conversions

## Conversions Part 2

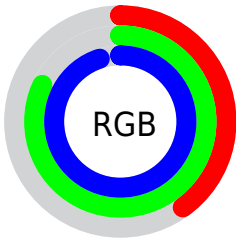
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	101, 162, 243
Decimal	6672883
CIELab	78.95, -21.46, -26.08
CIELCh	79, 33.779, 230.553
Yxy	54.8387, 0.2307, 0.2853
Android (android.graphics.Color)	4284862963 (0xFF65D1F3)
YUV	180.5840, 30.7711, -69.7952
Hunter-Lab	74.0532, -22.7026, -22.6558

# Details

The YUV color **180.5840, 30.7711, -69.7952** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **163.4160, -30.7711, 69.7952**, and the grayscale version is **180.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **227.1930, 13.7089, -57.1743**, and **117.6960, 34.1669, -85.6794** is the 20% darker color. If you saturate the color by 10%, you get **169.8860, 36.0452, -81.4610**, and if you desaturate by 10%, it is **191.2820, 25.4970, -58.1293**.

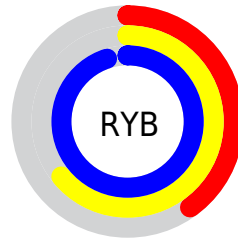
# Distribution



Red (40%)

Green (82%)

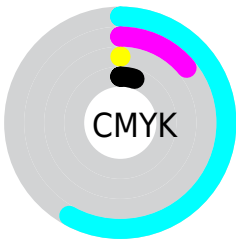
Blue (95%)



Red (40%)

Yellow (64%)

Blue (95%)

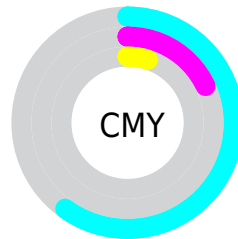


Cyan (58%)

Magenta (14%)

Yellow (0%)

Black (5%)



Cyan (60%)

Magenta (18%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 180.5840, 30.7711, -69.7952 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 180.5840, 30.7711, -69.7952 by changing the saturation by 10% instead.



■ 180.5840, 30.7711,  
-69.7952

■ 180.5840, 30.7711,  
-69.7952

■ 255.0000, 0.0000,  
0.0000

■ 150.7900, 31.6555,  
-73.4838

■ 227.1930, 13.7089,  
-57.1743

■ 117.6960, 34.1669,  
-85.6794

■ 236.1630, 9.2866,  
-38.7310

■ 93.3760, 32.8456,  
-81.8908

■ 245.4320, 4.7170,  
-19.6729

■ 75.6230, 28.2869,  
-66.3214

■ 254.4020, 0.2948,  
-1.2296

■ 58.6850, 24.3123,  
-51.4667

■ 42.4480, 20.4851,  
-37.2269

■ 27.3850, 16.0792,

-24.0166

■ 6.2070, 16.1669,  
-5.4435

■ 2.4110, 6.6994,  
-2.1144

■ 180.5840, 30.7711,  
-69.7952

■ 180.5840, 30.7711,  
-69.7952

■ 169.8860, 36.0452,  
-81.4610

■ 191.2820, 25.4970,  
-58.1293

■ 158.8890, 41.4667,  
-93.7417

■ 202.2790, 20.0755,  
-45.8487

■ 148.7780, 46.4514,  
-105.9223

■ 212.3900, 15.0907,  
-33.6680

■ 138.0800, 51.7256,  
-117.5882

■ 223.0880, 9.8166,  
-22.0022

■ 136.2970, 52.6046,  
-119.5325

■ 233.7860, 4.5425,  
-10.3363

■ 244.7830, -0.8790,  
1.9443

■ 250.6970, -3.7946,  
3.7737

■ 253.6320, -5.2416,  
1.1997

# Harmonies

## Analogous

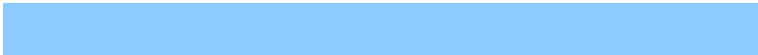
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



178.3590, 18.5570, -72.2288



180.5840, 30.7711, -69.7952



188.6180, 32.7263, -43.5150

# Triad

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



180.5840, 30.7711, -69.7952



200.1980, 3.3534, 44.5534



191.2090, -27.2180, 3.3247

# Complementary

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



180.5840, 30.7711, -69.7952



163.4160, -30.7711, 69.7952

# 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.



194.6790, -29.9147, 28.3455



180.5840, 30.7711, -69.7952



197.7460, -11.2138, 50.2118

# Square

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



180.5840, 30.7711, -69.7952



200.1380, 17.6800, 22.6810



196.9830, -24.1486, 45.6189



187.3070, -15.9274, -24.8252



# Rectangle

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



180.5840, 30.7711, -69.7952



194.6640, 29.7456, -20.7533



196.9830, -24.1486, 45.6189



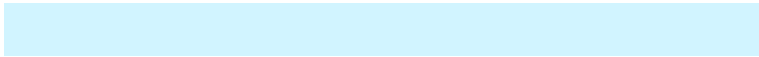
192.3950, -29.2817, 11.9316

# Sweetspot

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



180.5840, 30.7711, -69.7952



234.7890, 9.9640, -22.6170



188.1160, -26.6792, -76.4007



115.2200, 6.3005, -14.2249



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.



180.5840, 30.7711, -69.7952



176.5370, 38.6823, -87.2939



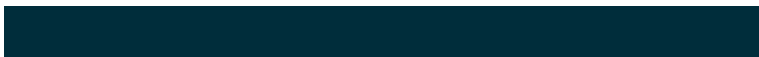
139.4940, 51.0285, -33.7592



116.6510, 2.6371, -5.8329



104.5580, 40.1509, -91.6974



33.1410, 12.7485, -29.0647



# Inverse Universe

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



155.7700, 26.2424, 76.5007



145.6120, 32.7293, 95.9333



204.5060, -51.0285, 33.7592



114.6140, 2.1623, 6.4775



71.8020, 34.6076, 100.1516

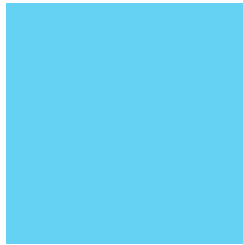


22.7710, 10.9589, 31.7728



# Previews

## White Background



This preview shows how the YUV color 180.5840, 30.7711, -69.7952 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

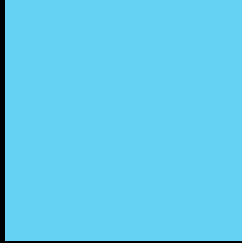
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 180.5840, 30.7711, -69.7952 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

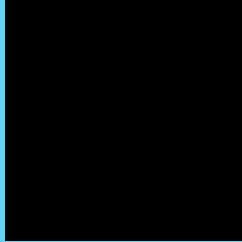
Any Text WCAG AA ✓ Pass

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 180.5840, 30.7711, -69.7952 Background



This preview shows how black text looks on a background with the YUV color 180.5840, 30.7711, -69.7952.



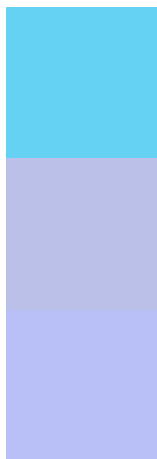
This preview shows how white text looks on a background with the YUV color 180.5840, 30.7711, -69.7952.

-69.7952.

# 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

180.5840, 30.7711, -69.7952

### Protanopia

194.7660, 18.3564, -7.6878

### Deuteranopia

195.5900, 25.3451, -9.2874



## Tritanopia

178.3680, 24.9616, -73.1137

# Trichromacy



## Original Color

180.5840, 30.7711, -69.7952

## Protanomaly

189.4750, 22.9368, -30.2346

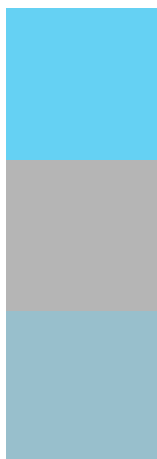
## Deuteranomaly

190.3160, 27.4522, -31.8491

## Tritanomaly

178.9490, 27.1401, -71.8693

# Monochromacy



## Original Color

180.5840, 30.7711, -69.7952

## Achromatopsia

181.0000, 0.0000, 0.0000

## Achromatomaly

180.8210, 11.4272, -25.2760

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 180.5840, 30.7711, -69.7952 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(101, 209, 243)` looks like.

```
.text, #text, p{  
    color:rgb(101, 209, 243)  
}
```

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(101, 209, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 209, 243) }
```

## Border

The CSS property to change the border of an element to YUV 180.5840, 30.7711, -69.7952 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(101, 209, 243) }
```



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

```
.border{ border-color:rgb(101, 209, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 209, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 209, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 209, 243);  
box-shadow:4px 4px 4px 4px rgb(101, 209,  
243) }
```

# Background

The CSS property to change the background color of an element to YUV 180.5840, 30.7711, -69.7952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 209, 243) }
```

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

```
.background{ background-color: rgb(101,  
209, 243) }
```

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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