

# Converting Colors

YUV(178.1420, 37.8910,  
-66.7765)

Have a look what the booklet for  
YUV(178.1420, 37.8910, -66.7765)  
contains.

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# Color

**YUV(178.1420, 37.8910,  
-66.7765)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66CAFF
RGB	102, 202, 255
RGB Percent	40%, 79%, 100%
CMY	0.6000, 0.2078, 0.0000
CMYK	0.60, 0.21, 0.00, 0.00
HSL	201°, 100%, 70%
HSV	201°, 60%, 100%
XYZ	44.6500, 52.2858, 102.3466
YIQ	178.1420, -76.6130, -4.7170

# Conversions

## Conversions Part 2

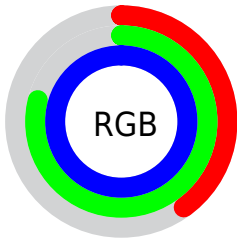
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	102, 162, 255
Decimal	6736639
CIELab	77.45, -14.12, -34.79
CIElCh	77, 37.549, 247.906
Yxy	52.2858, 0.2241, 0.2624
Android (android.graphics.Color)	4284926719 (0xFF66CAFF)
YUV	178.1420, 37.8910, -66.7765
Hunter-Lab	72.3089, -16.3188, -33.3032

# Details

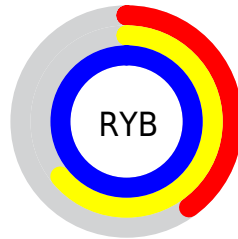
The YUV color **178.1420, 37.8910, -66.7765** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **178.8580, -37.8910, 66.7765**, and the grayscale version is **178.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **227.7910, 13.4140, -55.9447**, and **114.8300, 41.0028, -84.9199** is the 20% darker color. If you saturate the color by 10%, you get **165.3840, 44.1807, -77.5128**, and if you desaturate by 10%, it is **191.1990, 31.4539, -55.4255**.

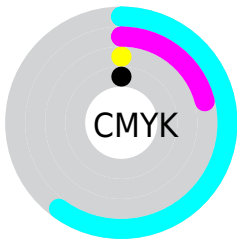
# Distribution



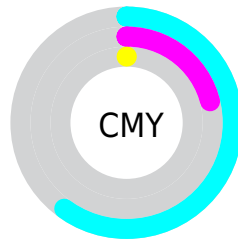
- Red (40%)
- Green (79%)
- Blue (100%)



- Red (40%)
- Yellow (64%)
- Blue (100%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 178.1420, 37.8910, -66.7765 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 178.1420, 37.8910, -66.7765 by changing the saturation by 10% instead.



■ 178.1420, 37.8910,  
-66.7765

■ 178.1420, 37.8910,  
-66.7765

■ 255.0000, 0.0000,  
0.0000

■ 148.8210, 38.0492,  
-70.8800

■ 227.7910, 13.4140,  
-55.9447

■ 114.8300, 41.0028,  
-84.9199

■ 236.7610, 8.9918,  
-37.5014

■ 91.1080, 39.3868,  
-79.9017

■ 246.0300, 4.4222,  
-18.4433

■ 73.3550, 34.8280,  
-64.3323

■ 56.8900, 30.1272,  
-49.8925

■ 40.5390, 25.8633,  
-35.5527

■ 26.0630, 21.1679,

-22.8573

■ 7.7060, 19.3719,  
-6.7582

■ 3.4370, 10.6306,  
-3.0142

■ 178.1420, 37.8910,  
-66.7765

■ 178.1420, 37.8910,  
-66.7765

■ 165.3840, 44.1807,  
-77.5128

■ 191.1990, 31.4539,  
-55.4255

■ 152.3270, 50.6178,  
-88.8638

■ 203.9570, 25.1642,  
-44.6893

■ 139.8570, 56.7655,  
-100.7296

■ 217.0140, 18.7271,  
-33.3383

■ 127.0990, 63.0552,  
-111.4658

■ 229.1850, 12.7268,  
-22.0872

■ 242.2420, 6.2897,  
-10.7362

255.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



168.0930, 31.9992, -90.4126



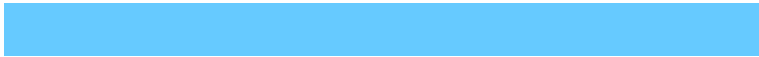
178.1420, 37.8910, -66.7765



189.0160, 32.5301, -27.2010

# Triad

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



178.1420, 37.8910, -66.7765



193.9620, -5.4043, 53.5303



184.1960, -24.2536, -14.2039

# Complementary

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



178.1420, 37.8910, -66.7765



178.8580, -37.8910, 66.7765

# 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.



188.2060, -32.6396, 15.6053



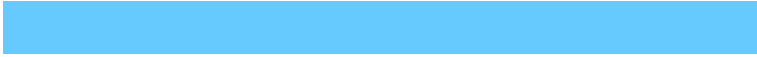
178.1420, 37.8910, -66.7765



193.1350, -21.2656, 54.2556

# Square

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



178.1420, 37.8910, -66.7765



196.1250, 10.7844, 41.1094



191.1150, -31.1157, 40.2411

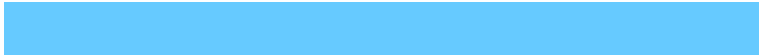


178.4660, -7.1317, -46.0127



# Rectangle

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



178.1420, 37.8910, -66.7765



193.6710, 29.2492, -1.4655



191.1150, -31.1157, 40.2411



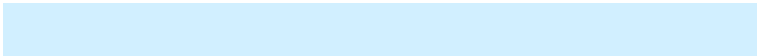
185.6380, -27.9225, -4.0675

# Sweetspot

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



178.1420, 37.8910, -66.7765



231.8540, 11.4110, -20.0430



197.6250, -22.0001, -83.8631



113.4590, 7.1687, -12.6805



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.



178.1420, 37.8910, -66.7765



162.4160, 45.6439, -80.1718



134.7040, 59.3059, -28.6814



121.1780, 3.3632, -5.4181



95.1490, 47.2545, -83.4457



31.9500, 15.8006, -28.0202



# Inverse Universe

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



159.1470, 21.1265, 84.0631



139.6960, 25.2929, 101.1216



222.8830, -59.5953, 28.1666



119.7990, 1.5781, 7.1923



71.3590, 26.4450, 104.9252

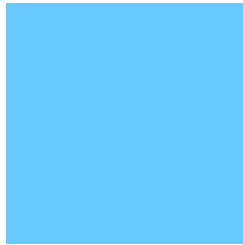


23.9240, 8.9115, 35.1467



# Previews

## White Background



This preview shows how the YUV color 178.1420, 37.8910, -66.7765 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

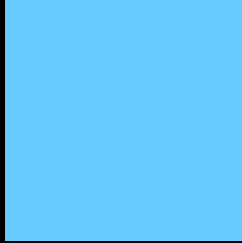
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 178.1420, 37.8910, -66.7765 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

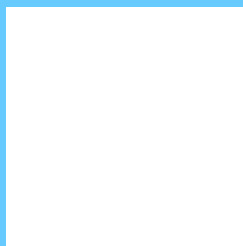
Any Text WCAG AAA ✓ Pass

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

# YUV 178.1420, 37.8910, -66.7765 Background



This preview shows how black text looks on a background with the YUV color 178.1420, 37.8910, -66.7765.



This preview shows how white text looks on a background with the YUV color 178.1420, 37.8910, -66.7765.

-66.7765.

# 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

178.1420, 37.8910, -66.7765

### Protanopia

190.6110, 26.8138, -13.6908

### Deuteranopia

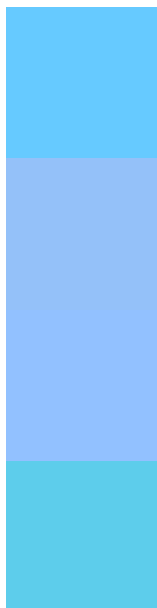
190.5550, 31.7714, -17.1497



## Tritanopia

173.3570, 24.9670, -74.8581

# Trichromacy



## Original Color

178.1420, 37.8910, -66.7765

## Protanomaly

185.9290, 31.0940, -33.2637

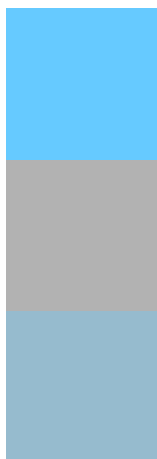
## Deuteranomaly

186.0150, 34.0096, -35.0932

## Tritanomaly

174.9320, 29.6135, -71.8544

# Monochromacy



## Original Color

178.1420, 37.8910, -66.7765

## Achromatopsia

178.0000, 0.0000, 0.0000

## Achromatomaly

178.1030, 13.7532, -24.6463

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 178.1420, 37.8910, -66.7765 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(102, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 202, 255)  
}
```

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(102, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 202, 255) }
```

## Border

The CSS property to change the border of an element to YUV 178.1420, 37.8910, -66.7765 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(102, 202, 255) }
```



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

```
.border{ border-color:rgb(102, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 202,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 178.1420, 37.8910, -66.7765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 202, 255) }
```

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

```
.background{ background-color: rgb(102,  
202, 255) }
```

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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