

# Converting Colors

YUV(188.3350, 31.8798,  
-52.0368)

Have a look what the booklet for  
YUV(188.3350, 31.8798, -52.0368)  
contains.

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# Color

**YUV(188.3350, 31.8798,  
-52.0368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81CEFD
RGB	129, 206, 253
RGB Percent	51%, 81%, 99%
CMY	0.4941, 0.1922, 0.0078
CMYK	0.49, 0.19, 0.00, 0.01
HSL	203°, 97%, 75%
HSV	203°, 49%, 99%
XYZ	48.8542, 55.9016, 101.1437
YIQ	188.3350, -60.9790, -1.7070

# Conversions

## Conversions Part 2

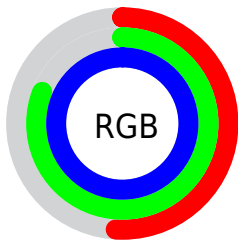
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 177, 253
Decimal	8507133
CIELab	79.56, -11.37, -30.39
CIELCh	80, 32.446, 249.493
Yxy	55.9016, 0.2373, 0.2715
Android (android.graphics.Color)	4286697213 (0xFF81CEFD)
YUV	188.3350, 31.8798, -52.0368
Hunter-Lab	74.7674, -14.2081, -27.8691

# Details

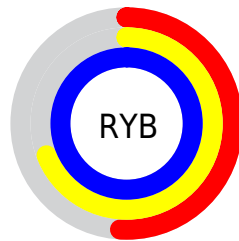
The YUV color **188.3350, 31.8798, -52.0368** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **193.6650, -31.8798, 52.0368**, and the grayscale version is **188.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **234.9670, 9.8763, -41.1901**, and **132.1990, 31.4539, -55.4255** is the 20% darker color. If you saturate the color by 10%, you get **174.9900, 38.4589, -62.2582**, and if you desaturate by 10%, it is **201.6800, 25.3008, -41.8154**.

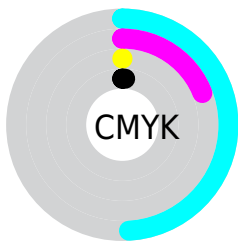
# Distribution



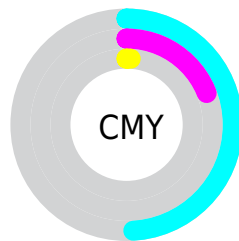
- Red (51%)
- Green (81%)
- Blue (99%)



- Red (51%)
- Yellow (69%)
- Blue (99%)



- Cyan (49%)
- Magenta (19%)
- Yellow (0%)
- Black (1%)



- Cyan (49%)
- Magenta (19%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 188.3350, 31.8798, -52.0368 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 188.3350, 31.8798, -52.0368 by changing the saturation by 10% instead.



■ 188.3350, 31.8798,  
-52.0368

■ 188.3350, 31.8798,  
-52.0368

■ 255.0000, 0.0000,  
0.0000

■ 160.5090, 31.3011,  
-53.0664

■ 234.9670, 9.8763,  
-41.1901

■ 132.1990, 31.4539,  
-55.4255

■ 243.6380, 5.6015,  
-23.3615

■ 102.4970, 32.7860,  
-62.7029

■ 252.6080, 1.1793,  
-4.9182

■ 75.4750, 32.7968,  
-66.1916

■ 58.5370, 28.8223,  
-51.3369

■ 42.1860, 24.5583,  
-36.9971

■ 27.1230, 20.1524,

-23.7869

■ 7.0050, 19.2245,  
-6.1434

■ 3.3230, 10.1938,  
-2.9143

■ 188.3350, 31.8798,  
-52.0368

■ 188.3350, 31.8798,  
-52.0368

■ 174.9900, 38.4589,  
-62.2582

■ 201.6800, 25.3008,  
-41.8154

■ 161.9330, 44.8960,  
-73.6092

■ 214.7370, 18.8637,  
-30.4643

■ 148.5880, 51.4751,  
-83.8307

■ 228.0820, 12.2846,  
-20.2429

■ 135.8300, 57.7648,  
-94.5669

■ 240.8400, 5.9949,  
-9.5067

■ 122.1860, 64.4913, 254.1850, -0.5842,  
-105.4031 0.7148

■ 121.0010, 65.0755, 254.7720, -0.8736,  
-106.1179 0.2000

# Harmonies

## Analogous

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



182.0310, 26.1137, -69.3102



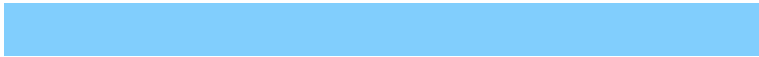
188.3350, 31.8798, -52.0368



196.1370, 29.0195, -21.1681

# Triad

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



188.3350, 31.8798, -52.0368



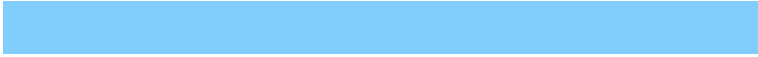
200.4020, -6.1142, 47.8824



190.9340, -20.1805, -13.9741

# Complementary

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



188.3350, 31.8798, -52.0368



193.6650, -31.8798, 52.0368

# 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.



194.3350, -28.2662, 12.8612



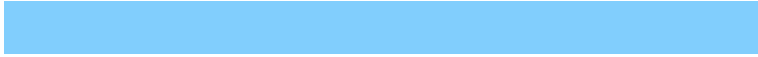
188.3350, 31.8798, -52.0368



199.2590, -19.3547, 48.0079

# Square

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



188.3350, 31.8798, -52.0368



201.8210, 8.4692, 36.9910



197.2930, -27.7524, 34.8230

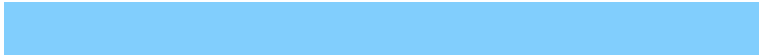


186.2540, -5.5482, -40.5648



# Rectangle

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



188.3350, 31.8798, -52.0368



200.1290, 24.5864, 0.7639



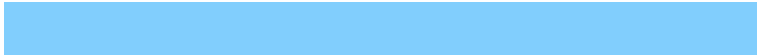
197.2930, -27.7524, 34.8230



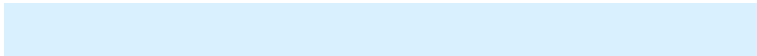
192.0770, -23.7020, -4.4525

# Sweetspot

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



188.3350, 31.8798, -52.0368



235.4200, 9.6529, -16.1543



206.9180, -16.2286, -68.3341



115.8400, 5.9949, -9.5067



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

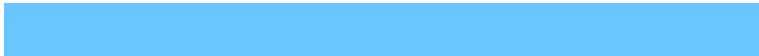


# Same Dimension

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



188.3350, 31.8798, -52.0368



176.6910, 38.6063, -62.8730



153.1150, 49.2433, -21.1489



121.1780, 3.3632, -5.4181



91.6270, 48.9909, -80.3569



30.7760, 16.3794, -26.9906



# Inverse Universe

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



174.8540, 15.3550, 68.5340



160.4520, 18.5112, 82.9186



228.8850, -49.2433, 21.1489



119.7990, 1.5781, 7.1923



70.6750, 23.8242, 105.5250

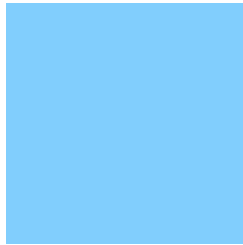


23.6960, 8.0379, 35.3466



# Previews

## White Background



This preview shows how the YUV color 188.3350, 31.8798, -52.0368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

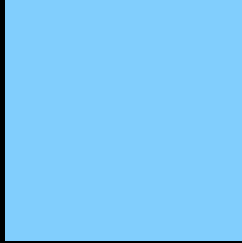
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 188.3350, 31.8798, -52.0368 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

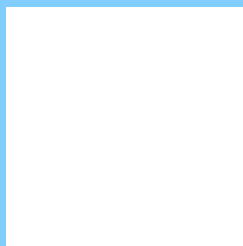
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 188.3350, 31.8798, -52.0368

## Background



This preview shows how black text looks on a background with the YUV color 188.3350, 31.8798, -52.0368.



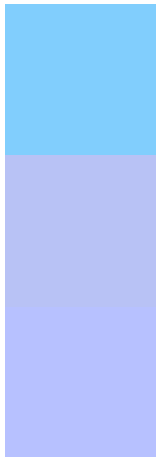
This preview shows how white text looks on a background with the YUV color 188.3350, 31.8798, -52.0368.

-52.0368.

# 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

188.3350, 31.8798, -52.0368

### Protanopia

196.8240, 23.7508, -11.2466

### Deuteranopia

197.0780, 28.5555, -12.3464



## Tritanopia

185.3270, 20.5448, -56.4148

# Trichromacy



## Original Color

188.3350, 31.8798, -52.0368

## Protanomaly

193.5340, 26.8517, -25.9013

## Deuteranomaly

193.9190, 29.6199, -27.1160

## Tritanomaly

186.6630, 24.3231, -54.9555

# Monochromacy



## Original Color

188.3350, 31.8798, -52.0368

## Achromatopsia

188.0000, 0.0000, 0.0000

## Achromatomaly

188.5660, 11.5530, -18.9134

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 188.3350, 31.8798, -52.0368 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(129, 206, 253)` looks like.

```
.text, #text, p{  
    color:rgb(129, 206, 253)  
}
```

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(129, 206, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 206, 253) }
```

## Border

The CSS property to change the border of an element to YUV 188.3350, 31.8798, -52.0368 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(129, 206, 253) }
```



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

```
.border{ border-color:rgb(129, 206, 253) }
```

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

Here you see how a box with a 4 pixel rgb(129, 206, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 206, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 206, 253);  
box-shadow:4px 4px 4px 4px rgb(129, 206,  
253) }
```

# Background

The CSS property to change the background color of an element to YUV 188.3350, 31.8798, -52.0368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 206, 253) }
```

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

```
.background{ background-color: rgb(129,  
206, 253) }
```

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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