

Converting Colors

YUV(158.0250, 28.5817,
-67.5509)

Have a look what the booklet for
YUV(158.0250, 28.5817, -67.5509)
contains.

YUV(158.0250, 28.5817, -67.5509)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(158.0250, 28.5817,
-67.5509)**

Conversions

Conversions Part 1

Format	Color
Hex	51BAD8
RGB	81, 186, 216
RGB Percent	32%, 73%, 85%
CMY	0.6824, 0.2706, 0.1529
CMYK	0.62, 0.14, 0.00, 0.15
HSL	193°, 63%, 58%
HSV	193°, 62%, 85%
XYZ	33.3469, 41.8250, 71.2812
YIQ	158.0250, -72.2100, -12.9300

Conversions

Conversions Part 2

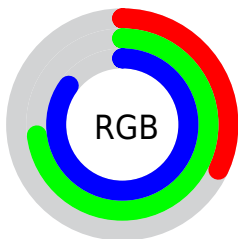
Format	Color
R_{YB}	81, 140, 216
Decimal	5356248
CIE _{Lab}	70.75, -21.27, -24.09
CIE _{LCh}	71, 32.140, 228.554
Yxy	41.8250, 0.2277, 0.2856
Android (android.graphics.Color)	4283546328 (0xFF51BAD8)
YUV	158.0250, 28.5817, -67.5509
Hunter-Lab	64.6723, -21.1366, -20.0784

Details

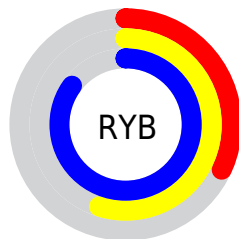
The YUV color **158.0250, 28.5817, -67.5509** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **138.9750, -28.5817, 67.5509**, and the grayscale version is **158.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **213.8810, 20.2717, -62.1626**, and **96.4250, 31.8355, -84.5647** is the 20% darker color. If you saturate the color by 10%, you get **148.5120, 33.2716, -78.5020**, and if you desaturate by 10%, it is **167.5380, 23.8918, -56.5998**.

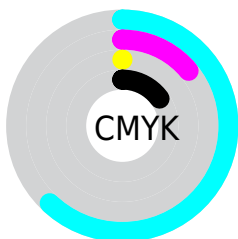
Distribution



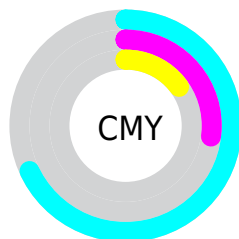
- Red (32%)
- Green (73%)
- Blue (85%)



- Red (32%)
- Yellow (55%)
- Blue (85%)



- Cyan (62%)
- Magenta (14%)
- Yellow (0%)
- Black (15%)



- Cyan (68%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the YUV color 158.0250, 28.5817, -67.5509 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 158.0250, 28.5817, -67.5509 by changing the saturation by 10% instead.

■ 158.0250, 28.5817,
-67.5509

■ 158.0250, 28.5817,
-67.5509

■ 255.0000, 0.0000,
0.0000

■ 128.2200, 29.4715,
-72.9839

■ 213.8810, 20.2717,
-62.1626

■ 96.4250, 31.8355,
-84.5647

■ 230.1830, 12.2348,
-51.0265

■ 78.1990, 28.0029,
-68.5805

■ 239.1530, 7.8126,
-32.5832

■ 61.1470, 23.5915,
-53.6259

■ 248.1230, 3.3904,
-14.1399

■ 44.3230, 20.0538,
-38.8713

■ 29.3740, 16.0846,
-25.7610

■ 9.2560, 15.1568,

-8.1175

■ 2.6390, 7.5730,
-2.3144

■ 0.0000, 0.0000,
0.0000

■ 158.0250, 28.5817,
-67.5509

■ 158.0250, 28.5817,
-67.5509

■ 148.5120, 33.2716,
-78.5020

■ 167.5380, 23.8918,
-56.5998

■ 139.2980, 37.8141,
-88.8383

■ 176.7520, 19.3493,
-46.2635

■ 130.3720, 42.2146,
-100.3042

■ 185.6780, 14.9487,
-34.7976

■ 123.2400, 45.7307,
-108.0815

■ 194.8920, 10.4062,
-24.4613

■ 204.4050, 5.7163,
-13.5102

■ 213.9180, 1.0264,
-2.5591

■ 223.1320, -3.5161,
7.7772

■ 232.0580, -7.9166,
19.2431

■ 235.2920, -9.5110,
17.2839

Harmonies

Analogous

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



156.3380, 17.0884, -67.8254



158.0250, 28.5817, -67.5509



166.2760, 31.4159, -43.2151

Triad

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



158.0250, 28.5817, -67.5509



177.4040, 4.2378, 40.8647



169.5620, -25.9131, 4.7691

Complementary

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



158.0250, 28.5817, -67.5509



138.9750, -28.5817, 67.5509

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.



172.2490, -27.7308, 27.8456



158.0250, 28.5817, -67.5509



176.0770, -9.8980, 48.1675

Square

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



158.0250, 28.5817, -67.5509



177.0020, 17.2540, 19.2922



174.5420, -21.9592, 43.3747



165.7420, -15.6488, -20.8217

Rectangle

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



158.0250, 28.5817, -67.5509



171.8380, 29.1669, -21.7829



174.5420, -21.9592, 43.3747



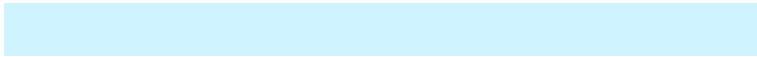
170.5630, -27.3926, 12.6612

Sweetspot

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



158.0250, 28.5817, -67.5509



234.1910, 10.2588, -23.8465



163.5510, -26.4006, -72.3972



114.9210, 6.4479, -14.8397



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.



158.0250, 28.5817, -67.5509



172.6500, 40.5986, -95.2860



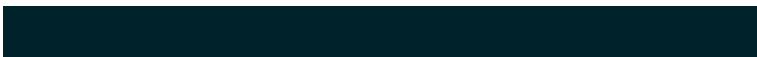
118.6960, 47.9709, -33.0594



102.5370, 2.2003, -5.7329



97.5650, 36.2035, -85.5645



24.8600, 8.9430, -21.8022

Inverse Universe

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



133.3350, 25.9638, 72.4972



137.9810, 36.4914, 102.6257



178.3040, -47.9709, 33.0594



100.3150, 2.3097, 5.8627



66.2910, 32.8875, 91.8298



16.7330, 8.5126, 23.0362

Previews

White Background



This preview shows how the YUV color 158.0250, 28.5817, -67.5509 looks on a white background.

Color Contrast Check

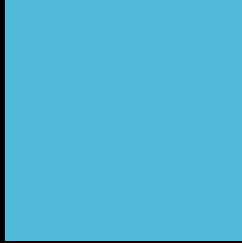
Large Text (above 18pt) WCAG AA × Fail

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 158.0250, 28.5817, -67.5509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

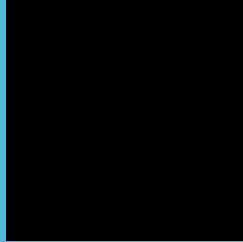
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YUV 158.0250, 28.5817, -67.5509

Background



This preview shows how black text looks on a background with the YUV color 158.0250, 28.5817, -67.5509.



This preview shows how white text looks on a background with the YUV color 158.0250, 28.5817, -67.5509.

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

158.0250, 28.5817, -67.5509

Protanopia

172.4950, 16.0250, -6.5731

Deuteranopia

173.3190, 23.0137, -8.1728



Tritanopia

155.9230, 23.2090, -70.9695

Trichromacy



Original Color

158.0250, 28.5817, -67.5509

Protanomaly

167.2040, 20.6054, -29.1199

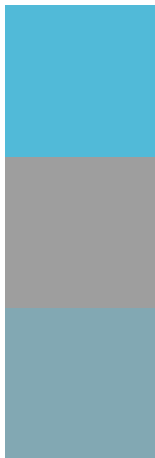
Deuteranomaly

167.7570, 25.2628, -29.6049

Tritanomaly

156.5040, 25.3875, -69.7250

Monochromacy



Original Color

158.0250, 28.5817, -67.5509

Achromatopsia

158.0000, 0.0000, 0.0000

Achromatomaly

157.8920, 10.4062, -24.4613

CSS Examples

Text

The CSS property to change the color of the text to YUV 158.0250, 28.5817, -67.5509 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(81, 186, 216)` looks like.

```
.text, #text, p{  
    color:rgb(81, 186, 216)  
}
```

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(81, 186, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 186, 216) }
```

Border

The CSS property to change the border of an element to YUV 158.0250, 28.5817, -67.5509 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(81, 186, 216) }
```


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

```
.border{ border-color:rgb(81, 186, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 186, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 186, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 186, 216);  
box-shadow:4px 4px 4px 4px rgb(81, 186,  
216) }
```

Background

The CSS property to change the background color of an element to YUV 158.0250, 28.5817, -67.5509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 186, 216) }
```

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

```
.background{ background-color: rgb(81, 186,  
216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor