

Converting Colors

YUV(158.7470, 20.3377,
-36.6121)

Have a look what the booklet for
YUV(158.7470, 20.3377, -36.6121)
contains.

YUV(158.7470, 20.3377, -36.6121)	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(158.7470, 20.3377,
-36.6121)**

Conversions

Conversions Part 1

Format	Color
Hex	75ACC8
RGB	117, 172, 200
RGB Percent	46%, 67%, 78%
CMY	0.5412, 0.3255, 0.2157
CMYK	0.42, 0.14, 0.00, 0.22
HSL	200°, 43%, 62%
HSV	200°, 42%, 78%
XYZ	32.5140, 37.4571, 60.1599
YIQ	158.7470, -41.7680, -2.9520

Conversions

Conversions Part 2

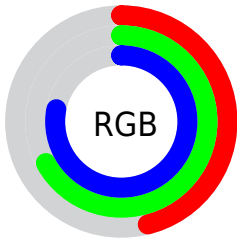
Format	Color
R _{YB}	117, 150, 200
Decimal	7711944
CIE _{Lab}	67.62, -10.74, -19.94
CIE _{LCh}	68, 22.651, 241.704
Y _{xy}	37.4571, 0.2499, 0.2878
Android (android.graphics.Color)	4285902024 (0xFF75ACC8)
YUV	158.7470, 20.3377, -36.6121
Hunter-Lab	61.2022, -12.2748, -15.4387

Details

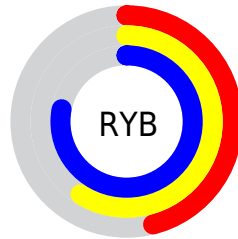
The YUV color **158.7470, 20.3377, -36.6121** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **158.2530, -20.3377, 36.6121**, and the grayscale version is **159.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **213.7470, 20.3377, -36.6121**, and **105.9210, 19.7589, -37.6417** is the 20% darker color. If you saturate the color by 10%, you get **148.6580, 25.3116, -45.3041**, and if you desaturate by 10%, it is **168.8360, 15.3639, -27.9202**.

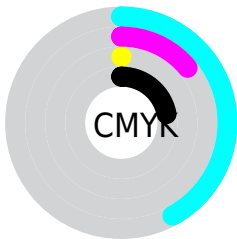
Distribution



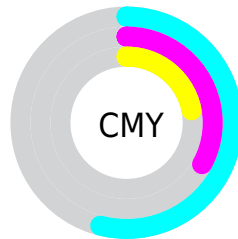
- Red (46%)
- Green (67%)
- Blue (78%)



- Red (46%)
- Yellow (59%)
- Blue (78%)



- Cyan (42%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)



- Cyan (54%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YUV color 158.7470, 20.3377, -36.6121 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 158.7470, 20.3377, -36.6121 by changing the saturation by 10% instead.

■ 158.7470, 20.3377,
-36.6121

■ 158.7470, 20.3377,
-36.6121

255.0000, 0.0000,
0.0000

■ 131.7470, 20.3377,
-36.6121

■ 213.7470, 20.3377,
-36.6121

■ 105.9210, 19.7589,
-37.6417

■ 238.8540, 7.9600,
-33.1980

■ 79.3120, 20.0592,
-40.6156

■ 247.2260, 3.8326,
-15.9842

■ 52.5070, 20.9490,
-46.0486

■ 36.9710, 17.2693,
-32.4236

■ 22.0220, 13.3002,
-19.3133

■ 4.3660, 11.6516,

-3.8290

■ 0.0000, 0.0000,
0.0000

■ 158.7470, 20.3377,
-36.6121

■ 158.7470, 20.3377,
-36.6121

■ 148.6580, 25.3116,
-45.3041

■ 168.8360, 15.3639,
-27.9202

■ 139.1560, 29.9961,
-54.5108

■ 178.3380, 10.6794,
-18.7134

■ 129.0670, 34.9700,
-63.2028

■ 188.4270, 5.7055,
-10.0215

■ 118.9780, 39.9438,
-71.8947

■ 198.5160, 0.7316,
-1.3295

■ 108.8890, 44.9177,
-80.5867

■ 208.6050, -4.2423,
7.3624

■ 100.8710, 48.8706,
-88.4639

■ 218.1070, -8.9268,
16.5692

■ 227.5980,
-13.6058, 24.0316

■ 231.7070,
-15.6316, 20.4280

■ 235.8160,
-17.6573, 16.8244

Harmonies

Analogous

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



156.0960, 14.2497, -43.9342



158.7470, 20.3377, -36.6121



163.2700, 20.5729, -18.6538

Triad

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



158.7470, 20.3377, -36.6121



168.0410, -1.9922, 32.4130



161.5530, -15.5556, -3.9930

Complementary

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



158.7470, 20.3377, -36.6121



158.2530, -20.3377, 36.6121

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.



163.9250, -19.6830, 13.2208



158.7470, 20.3377, -36.6121



167.2340, -11.4544, 33.9978

Square

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



158.7470, 20.3377, -36.6121



168.1950, 7.7919, 20.8770



165.4690, -17.9792, 26.7757



158.4350, -6.6235, -22.3065

Rectangle

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



158.7470, 20.3377, -36.6121



165.6740, 17.9087, -4.0991



165.4690, -17.9792, 26.7757



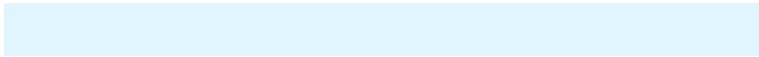
162.1300, -17.3191, 1.6400

Sweetspot

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



158.7470, 20.3377, -36.6121



239.8610, 7.4635, -13.9101



168.9130, -11.7891, -45.5277



118.5090, 4.6791, -7.4624



0.0000, 0.0000, 0.0000



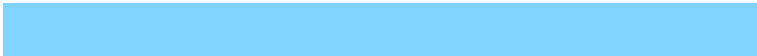
128.0000, 0.0000, 0.0000

Same Dimension

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



158.7470, 20.3377, -36.6121



191.7860, 31.1645, -55.9403



134.6800, 32.2028, -15.5054



94.5480, 2.1948, -3.9886



81.9780, 39.9438, -71.8947



18.1920, 8.7793, -15.9544

Inverse Universe

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



148.0870, 11.7891, 45.5277



175.5490, 17.9703, 69.6785



182.3200, -32.2028, 15.5054



93.3750, 1.2941, 4.9331



61.0490, 23.1468, 89.4110



13.5000, 5.1765, 19.7325

Previews

White Background



This preview shows how the YUV color 158.7470, 20.3377, -36.6121 looks on a white background.

Color Contrast Check

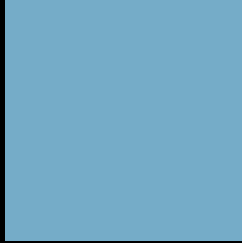
Large Text (above 18pt) WCAG AA × Fail

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 158.7470, 20.3377, -36.6121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

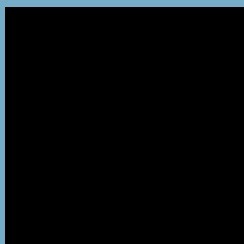
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

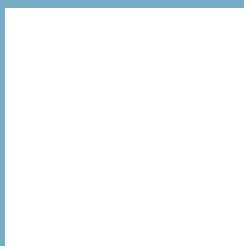
Any Text WCAG AAA ✓ Pass

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

YUV 158.7470, 20.3377, -36.6121 Background



This preview shows how black text looks on a background with the YUV color 158.7470, 20.3377, -36.6121.



This preview shows how white text looks on a background with the YUV color 158.7470, 20.3377, -36.6121.

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

158.7470, 20.3377, -36.6121

Protanopia

165.0390, 14.2778, -6.1732

Deuteranopia

165.6740, 17.9087, -4.0991



Tritanopia

157.6560, 14.9596, -38.2863

Trichromacy



Original Color

158.7470, 20.3377, -36.6121

Protanomaly

162.5430, 16.4943, -17.1392

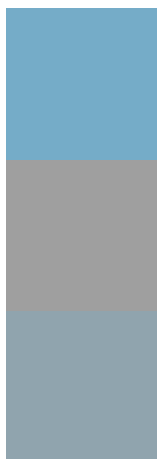
Deuteranomaly

163.1240, 18.6729, -15.8947

Tritanomaly

157.8240, 16.8488, -37.5566

Monochromacy



Original Color

158.7470, 20.3377, -36.6121

Achromatopsia

159.0000, 0.0000, 0.0000

Achromatomaly

159.1600, 7.3161, -13.2953

CSS Examples

Text

The CSS property to change the color of the text to YUV 158.7470, 20.3377, -36.6121 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(117, 172, 200)` looks like.

```
.text, #text, p{  
    color:rgb(117, 172, 200)  
}
```

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(117, 172, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 172, 200) }
```

Border

The CSS property to change the border of an element to YUV 158.7470, 20.3377, -36.6121 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(117, 172, 200) }
```


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

```
.border{ border-color:rgb(117, 172, 200) }
```

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

Here you see how a box with a 4 pixel rgb(117, 172, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 172, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 172, 200);  
box-shadow:4px 4px 4px 4px rgb(117, 172,  
200) }
```

Background

The CSS property to change the background color of an element to YUV 158.7470, 20.3377, -36.6121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 172, 200) }
```

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

```
.background{ background-color: rgb(117,  
172, 200) }
```

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