

Converting Colors

YUV(168.6040, 16.9572,
-72.4437)

Have a look what the booklet for
YUV(168.6040, 16.9572, -72.4437)
contains.

YUV(168.6040, 16.9572, -72.4437)	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(168.6040, 16.9572,
-72.4437)**

Conversions

Conversions Part 1	
Format	Color
Hex	56CCCB
RGB	86, 204, 203
RGB Percent	34%, 80%, 80%
CMY	0.6627, 0.2000, 0.2039
CMYK	0.58, 0.00, 0.00, 0.20
HSL	179°, 54%, 57%
HSV	179°, 58%, 80%
XYZ	36.2101, 49.4760, 64.1413
YIQ	168.6040, -70.0070, -25.3270

Conversions

Conversions Part 2

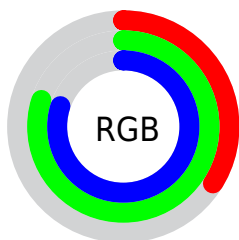
Format	Color
RYB	86, 145, 204
Decimal	5688523
CIELab	75.75, -32.99, -9.47
CIELCh	76, 34.326, 196.021
Yxy	49.4760, 0.2417, 0.3302
Android (android.graphics.Color)	4283878603 (0xFF56CCCB)
YUV	168.6040, 16.9572, -72.4437
Hunter-Lab	70.3392, -31.2029, -4.8283

Details

The YUV color **168.6040, 16.9572, -72.4437** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **121.3960, -16.9572, 72.4437**, and the grayscale version is **168.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **222.7080, 15.9200, -66.3959**, and **104.4490, 21.9636, -91.6018** is the 20% darker color. If you saturate the color by 10%, you get **162.6240, 19.9054, -84.7392**, and if you desaturate by 10%, it is **174.5840, 14.0091, -60.1482**.

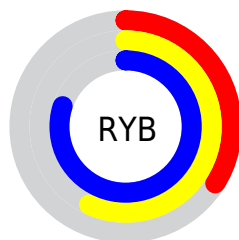
Distribution



Red (34%)

Green (80%)

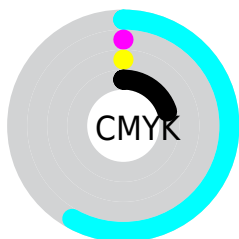
Blue (80%)



Red (34%)

Yellow (57%)

Blue (80%)

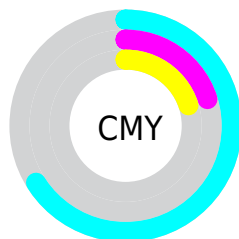


Cyan (58%)

Magenta (0%)

Yellow (0%)

Black (20%)



Cyan (66%)


Magenta (20%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the YUV color 168.6040, 16.9572, -72.4437 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 168.6040, 16.9572, -72.4437 by changing the saturation by 10% instead.

 168.6040, 16.9572,
-72.4437


 168.6040, 16.9572,
-72.4437


255.0000, 0.0000,
0.0000

 138.6250, 18.4259,
-76.8471


 222.7080, 15.9200,
-66.3959

 104.4490, 21.9636,
-91.6018


 231.6780, 11.4977,
-47.9526


 86.2230, 18.1311,
-75.6176

 240.3490, 7.2229,
-30.1241

 68.6980, 14.4459,
-60.2481

 249.3190, 2.8007,
-11.6808

 51.4010, 11.6343,
-45.0787

 35.2780, 8.2439,
-30.9388

 20.5570, 5.1484,

-18.0285

■ 0.5700, 2.1840,
-0.4999

■ 0.0000, 0.0000,
0.0000

■ 168.6040, 16.9572,
-72.4437

■ 168.6040, 16.9572,
-72.4437

■ 162.6240, 19.9054,
-84.7392

■ 174.5840, 14.0091,
-60.1482

■ 156.3450, 23.0009,
-97.6496

■ 180.8630, 10.9135,
-47.2379


■ 150.2510, 25.5123,
-109.8451

■ 186.9570, 8.4022,
-35.0423

■ 143.9720, 28.6078,
-122.7554

■ 193.2360, 5.3067,
-22.1320

 142.7760, 29.1974,
-125.2146

 199.2160, 2.3585,
-9.8364

 205.1960, -0.5896,
2.4591

 211.4750, -3.6852,
15.3694

 217.4550, -6.6333,
27.6650

 219.3630, -7.0810,
31.2536

Harmonies

Analogous

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



173.8230, -1.8847, -48.9568



168.6040, 16.9572, -72.4437



169.4370, 30.3506, -74.9282

Triad

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



168.6040, 16.9572, -72.4437



191.2730, 19.5854, 18.1776



186.4020, -29.7782, 31.2194

Complementary

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



168.6040, 16.9572, -72.4437



121.3960, -16.9572, 72.4437

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.



188.0480, -22.7017, 48.1929



168.6040, 16.9572, -72.4437



191.1700, 5.8322, 42.8239

Square

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



168.6040, 16.9572, -72.4437



186.9960, 29.5820, -14.9055



189.9250, -9.3300, 52.6858



182.8890, -28.5393, 7.1133

Rectangle

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



168.6040, 16.9572, -72.4437



175.1490, 33.9435, -60.6437



189.9250, -9.3300, 52.6858



186.9020, -28.0527, 37.7969

Sweetspot

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



168.6040, 16.9572, -72.4437



242.1430, 6.3385, -26.4354



155.8640, -34.4430, -59.5167



120.1120, 3.3958, -15.8842



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.



168.6040, 16.9572, -72.4437



202.2620, 25.5068, -108.1008



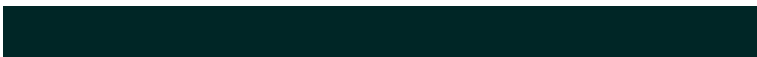
135.2590, 33.8893, -43.2001



99.0100, 1.4741, -6.1478



116.1380, 23.5960, -101.8530



26.6380, 5.6015, -23.3615

Inverse Universe

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



121.3960, -16.9572, 72.4437



131.8520, -25.0700, 108.0008



154.7410, -33.8893, 43.2001



94.9900, -1.4741, 6.1478



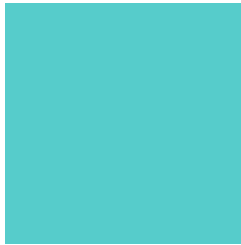
49.7480, -24.0328, 101.9530



11.3620, -5.6015, 23.3615

Previews

White Background



This preview shows how the YUV color 168.6040, 16.9572, -72.4437 looks on a white background.

Color Contrast Check

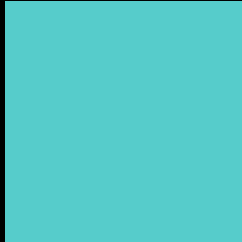
Large Text (above 18pt) WCAG AA × Fail

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 168.6040, 16.9572, -72.4437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

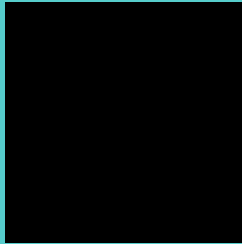
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

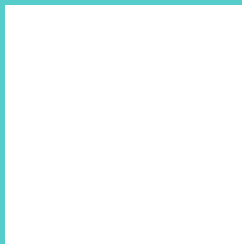
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YUV 168.6040, 16.9572, -72.4437

Background



This preview shows how black text looks on a background with the YUV color 168.6040, 16.9572, -72.4437.

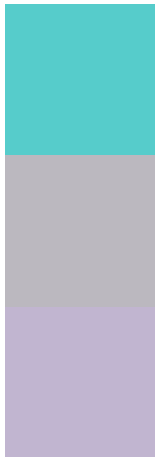


This preview shows how white text looks on a background with the YUV color 168.6040, 16.9572, -72.4437.

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

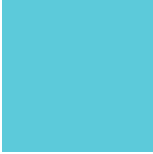
168.6040, 16.9572, -72.4437

Protanopia

185.6950, 2.6154, 1.1445

Deuteranopia

187.6660, 10.0247, 4.6779



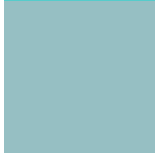
Tritanopia

170.9340, 23.2035, -69.2251

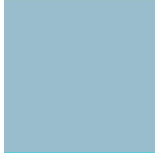
Trichromacy



Original Color
168.6040, 16.9572, -72.4437



Protanomaly
179.1970, 7.7909, -25.6058

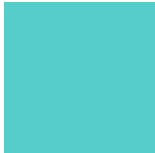


Deuteranomaly
180.4730, 12.5848, -23.2168

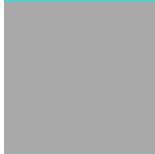


Tritanomaly
170.3530, 21.0250, -70.4696

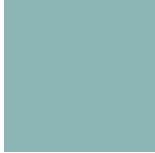
Monochromacy



Original Color
168.6040, 16.9572, -72.4437



Achromatopsia
169.0000, 0.0000, 0.0000



Achromatomaly
169.0290, 5.9017, -26.3354

CSS Examples

Text

The CSS property to change the color of the text to YUV 168.6040, 16.9572, -72.4437 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(86, 204, 203)` looks like.

```
.text, #text, p{  
    color:rgb(86, 204, 203)  
}
```


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(86, 204, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 204, 203) }
```

Border

The CSS property to change the border of an element to YUV 168.6040, 16.9572, -72.4437 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(86, 204, 203) }
```


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

```
.border{ border-color:rgb(86, 204, 203) }
```

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

Here you see how a box with a 4 pixel rgb(86, 204, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 204, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 204, 203);  
box-shadow:4px 4px 4px 4px rgb(86, 204,  
203) }
```


Background

The CSS property to change the background color of an element to YUV 168.6040, 16.9572, -72.4437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 204, 203) }
```

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

```
.background{ background-color: rgb(86, 204,  
203) }
```

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