

# Converting Colors

YUV(178.1110, -8.9287,  
-76.3963)

Have a look what the booklet for  
YUV(178.1110, -8.9287, -76.3963)  
contains.

<b>YUV(178.1110, -8.9287, -76.3963)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(178.1110, -8.9287,  
-76.3963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BE2A0
RGB	91, 226, 160
RGB Percent	36%, 89%, 63%
CMY	0.6431, 0.1137, 0.3725
CMYK	0.60, 0.00, 0.29, 0.11
HSL	151°, 70%, 62%
HSV	151°, 60%, 89%
XYZ	37.8559, 59.1549, 42.6805
YIQ	178.1110, -59.2740, -49.1460

# Conversions

## Conversions Part 2

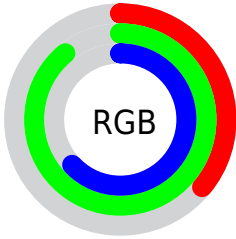
Format	Color
<a href="#">RYB</a>	<a href="#">91, 180, 226</a>
Decimal	<a href="#">6021792</a>
CIELab	<a href="#">81.38, -51.85, 21.52</a>
CIELCh	<a href="#">81, 56.139, 157.459</a>
Yxy	<a href="#">59.1549, 0.2710, 0.4235</a>
Android (android.graphics.Color)	<a href="#">4284211872 (0xFF5BE2A0)</a>
YUV	<a href="#">178.1110, -8.9287, -76.3963</a>
Hunter-Lab	<a href="#">76.9122, -46.7394, 20.9371</a>

# Details

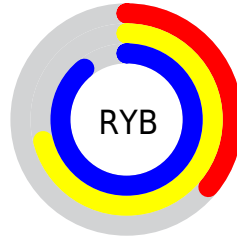
The YUV color **178.1110, -8.9287, -76.3963** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **138.8890, 8.9287, 76.3963**, and the grayscale version is **178.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **219.6430, -2.2890, -59.3229**, and **112.1020, -2.0223, -98.3135** is the 20% darker color. If you saturate the color by 10%, you get **169.9800, -10.3431, -89.4365**, and if you desaturate by 10%, it is **186.2420, -7.5143, -63.3562**.

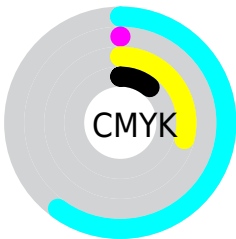
# Distribution



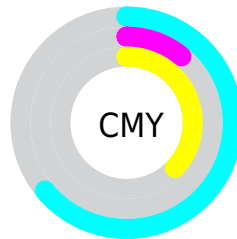
- Red (36%)
- Green (89%)
- Blue (63%)



- Red (36%)
- Yellow (71%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (29%)
- Black (11%)



- Cyan (64%)
- Magenta (11%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 178.1110, -8.9287, -76.3963 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 178.1110, -8.9287, -76.3963 by changing the saturation by 10% instead.



■ 178.1110, -8.9287,  
-76.3963

■ 178.1110, -8.9287,  
-76.3963

255.0000, 0.0000,  
0.0000

■ 147.9580, -6.8813,  
-79.7702

■ 219.6430, -2.2890,  
-59.3229

■ 112.1020, -2.0223,  
-98.3135

■ 231.8050, 5.5191,  
-43.6790

■ 92.9300, -4.4025,  
-81.4996

■ 242.1430, 6.3385,  
-26.4354

■ 74.9320, -7.3615,  
-65.7154

■ 251.1130, 1.9163,  
-7.9921

■ 57.0480, -9.8837,  
-50.0311

■ 39.9790, -11.8216,  
-35.0616

■ 25.2410, -12.4438,

-22.1364

■ 5.2830, -2.6045,  
-4.6332

■ 0.0000, 0.0000,  
0.0000

■ 178.1110, -8.9287,  
-76.3963

■ 178.1110, -8.9287,  
-76.3963

■ 169.9800,  
-10.3431, -89.4365

■ 186.2420, -7.5143,  
-63.3562

■ 162.1480,  
-11.9050, -101.8618


■ 194.0740, -5.9525,  
-50.9309


■ 154.0170,  
-13.3194, -114.9019

■ 202.2050, -4.5381,  
-37.8908


■ 146.1850,  
-14.8812, -127.3272


■ 210.0370, -2.9762,  
-25.4654

 145.8860,  
-14.7338, -127.9420

 218.1680, -1.5618,  
-12.4253

 226.2990, -0.1474,  
0.6148

 234.1310, 1.4144,  
13.0401

 237.1790, 5.3348,  
15.6290

 237.9770, 8.3923,  
14.9292

# Harmonies

## Analogous

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



190.5250, -36.7408, -22.3854



178.1110, -8.9287, -76.3963



158.8190, 27.2042, -139.2843

# Triad

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



178.1110, -8.9287, -76.3963



189.1940, 32.4424, -45.7741



190.3480, -24.3286, 56.6998

# Complementary

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



178.1110, -8.9287, -76.3963



138.8890, 8.9287, 76.3963

# 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.



190.7650, 0.1159, 56.3341



178.1110, -8.9287, -76.3963



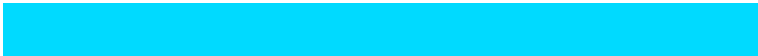
203.4670, 25.4058, 18.0074

# Square

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



178.1110, -8.9287, -76.3963



157.0360, 48.2963, -137.7206



200.9160, 21.2404, 47.4317



196.8100, -45.2623, 51.0326



# Rectangle

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



178.1110, -8.9287, -76.3963



162.2220, 42.7816, -142.2687



200.9160, 21.2404, 47.4317



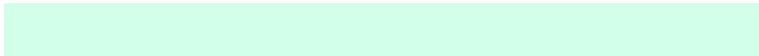
189.2370, -15.8928, 57.6742

# Sweetspot

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



178.1110, -8.9287, -76.3963



238.7380, -2.8288, -26.0802



190.5770, -49.0915, -27.6930



117.7330, -1.8404, -16.4288



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.



178.1110, -8.9287, -76.3963



189.7240, -12.1889, -104.1209



185.6350, 19.8999, -82.9949



108.1410, -0.5625, -6.2627



113.5720, -11.6210, -99.6026



31.0260, -2.9708, -27.2098



# Inverse Universe

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



138.8890, 8.9287, 76.3963



136.2760, 12.1889, 104.1209



131.3650, -19.8999, 82.9949



104.8590, 0.5625, 6.2627



62.4280, 11.6210, 99.6026

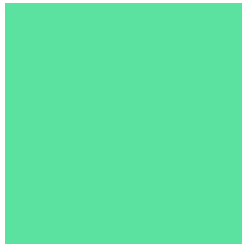


17.0880, 3.4076, 27.1098



# Previews

## White Background



This preview shows how the YUV color 178.1110, -8.9287, -76.3963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

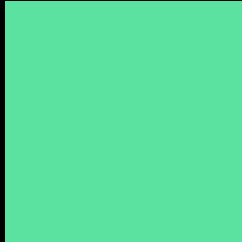
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 178.1110, -8.9287, -76.3963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

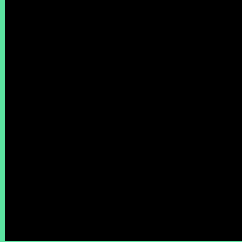
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 178.1110, -8.9287, -76.3963

## Background



This preview shows how black text looks on a background with the YUV color 178.1110, -8.9287, -76.3963.



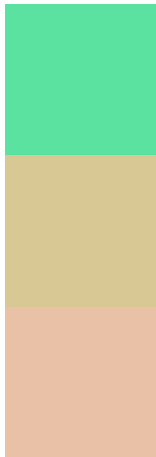
This preview shows how white text looks on a background with the YUV color 178.1110, -8.9287, -76.3963.

-76.3963.

# 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

178.1110, -8.9287, -76.3963

### Protanopia

198.5570, -24.9246, 14.4205

### Deuteranopia

201.6970, -17.1056, 26.5757



## Tritanopia

188.4400, 22.4611, -64.4069

# Trichromacy



## Original Color

178.1110, -8.9287, -76.3963



## Protanomaly

190.8410, -19.1486, -18.2776



## Deuteranomaly

193.1500, -14.3710, -10.6556



## Tritanomaly

184.4320, 11.1260, -68.7849

# Monochromacy



## Original Color

178.1110, -8.9287, -76.3963



## Achromatopsia

178.0000, 0.0000, 0.0000



## Achromatomaly

177.6130, -3.2602, -27.7246

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 178.1110, -8.9287, -76.3963 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(91, 226, 160)` looks like.

```
.text, #text, p{  
    color:rgb(91, 226, 160)  
}
```

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(91, 226, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 226, 160) }
```

## Border

The CSS property to change the border of an element to YUV 178.1110, -8.9287, -76.3963 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(91, 226, 160) }
```



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

```
.border{ border-color:rgb(91, 226, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 226, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 226, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 226, 160);  
box-shadow:4px 4px 4px 4px rgb(91, 226,  
160) }
```

# Background

The CSS property to change the background color of an element to YUV 178.1110, -8.9287, -76.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 226, 160) }
```

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

```
.background{ background-color: rgb(91, 226,  
160) }
```

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