

# Converting Colors

YUV(176.2920, 20.0690,  
-90.5871)

Have a look what the booklet for  
YUV(176.2920, 20.0690, -90.5871)  
contains.

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# Color

**YUV(176.2920, 20.0690,  
-90.5871)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 49DDD9                       |
| RGB         | 73, 221, 217                 |
| RGB Percent | 29%, 87%, 85%                |
| CMY         | 0.7137, 0.1333, 0.1490       |
| CMYK        | 0.67, 0.00, 0.02, 0.13       |
| HSL         | 178°, 69%, 58%               |
| HSV         | 178°, 67%, 87%               |
| XYZ         | 41.1285, 58.1391, 74.6999    |
| YIQ         | 176.2920, -86.9240, -32.6200 |

# Conversions

## Conversions Part 2

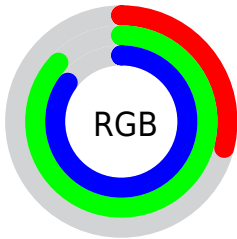
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">73, 148, 221</a>                               |
| Decimal                             | <a href="#">4840921</a>                                    |
| CIELab                              | <a href="#">80.82, -39.13, -9.47</a>                       |
| CIELCh                              | <a href="#">81, 40.255, 193.606</a>                        |
| Yxy                                 | <a href="#">58.1391, 0.2364, 0.3342</a>                    |
| Android<br>(android.graphics.Color) | <a href="#">4283031001</a><br><a href="#">(0xFF49DDD9)</a> |
| YUV                                 | <a href="#">176.2920, 20.0690, -90.5871</a>                |
| Hunter-Lab                          | <a href="#">76.2490, -37.1534, -4.7111</a>                 |

# Details

The YUV color **176.2920, 20.0690, -90.5871** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **117.7080, -20.0690, 90.5871**, and the grayscale version is **176.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **220.6150, 16.9518, -70.6994**, and **115.3230, 23.0118, -101.1383** is the 20% darker color. If you saturate the color by 10%, you get **169.6000, 22.8752, -104.0122**, and if you desaturate by 10%, it is **182.9840, 17.2629, -77.1620**.

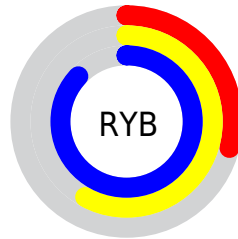
# Distribution



Red (29%)

Green (87%)

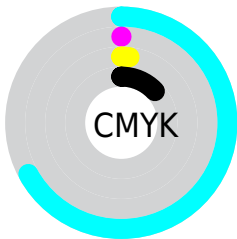
Blue (85%)



Red (29%)

Yellow (58%)

Blue (87%)

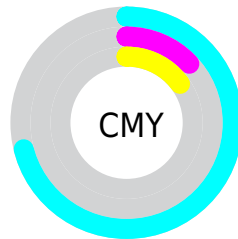


Cyan (67%)

Magenta (0%)

Yellow (2%)

Black (13%)



Cyan (71%)

Magenta (13%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 176.2920, 20.0690, -90.5871 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 176.2920, 20.0690, -90.5871 by changing the saturation by 10% instead.



176.2920, 20.0690,  
-90.5871

176.2920, 20.0690,  
-90.5871

255.0000, 0.0000,  
0.0000

142.0130, 23.1646,  
-103.4974

220.6150, 16.9518,  
-70.6994

115.3230, 23.0118,  
-101.1383

229.8840, 12.3822,  
-51.6413

96.5100, 19.4686,  
-84.6393

239.1530, 7.8126,  
-32.5832

78.3980, 16.0728,  
-68.7550

248.4220, 3.2430,  
-13.5251

60.8730, 12.3876,  
-53.3856

44.1630, 9.2866,  
-38.7310

28.7410, 6.0437,

-25.2059

■ 6.6170, 7.5838,  
-5.8031

■ 0.0000, 0.0000,  
0.0000

■ 176.2920, 20.0690,  
-90.5871

■ 176.2920, 20.0690,  
-90.5871

■ 169.6000, 22.8752,  
-104.0122

■ 182.9840, 17.2629,  
-77.1620

■ 163.0220, 26.1182,  
-117.5373

■ 189.5620, 14.0199,  
-63.6369

■ 156.3300, 28.9243,  
-130.9624

■ 196.2540, 11.2138,  
-50.2118

■ 154.2370, 29.9562,  
-135.2658

■ 202.8320, 7.9708,  
-36.6867

■ 209.8230, 5.0173,  
-22.6468

■ 216.5150, 2.2111,  
-9.2217

■ 223.0930, -1.0318,  
4.3034

■ 229.7850, -3.8380,  
17.7286

■ 231.2800, -4.5750,  
20.8024

# Harmonies

## Analogous

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



184.7250, -3.3154, -56.7638



176.2920, 20.0690, -90.5871



174.8190, 37.5572, -99.8193

# Triad

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



176.2920, 20.0690, -90.5871



205.5380, 24.3848, 18.8222



199.7790, -34.8940, 38.7818

# Complementary

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



176.2920, 20.0690, -90.5871



117.7080, -20.0690, 90.5871

# 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.



198.4180, -23.8701, 49.6224



176.2920, 20.0690, -90.5871



203.8050, 9.4631, 44.8980

# Square

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



176.2920, 20.0690, -90.5871



197.6210, 28.2878, -19.8386



198.2990, -6.5564, 49.7268



196.6030, -34.8073, 10.8722



# Rectangle

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



176.2920, 20.0690, -90.5871



181.9080, 36.0344, -77.9723



198.2990, -6.5564, 49.7268



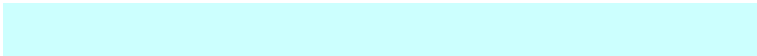
200.6920, -32.8792, 45.8741

# Sweetspot

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



176.2920, 20.0690, -90.5871



239.6370, 7.0810, -31.2536



161.3710, -43.5669, -73.1164



118.6170, 4.1328, -18.9581



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.



176.2920, 20.0690, -90.5871



193.3200, 27.4502, -124.8146



136.2450, 41.7842, -55.4659



106.5970, 1.1847, -6.6626



120.8170, 23.7542, -105.9565



32.1320, 6.3439, -28.1798



# Inverse Universe

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



117.7080, -20.0690, 90.5871



112.6800, -27.4502, 124.8146



157.7550, -41.7842, 55.4659



102.2890, -1.6215, 6.7625



52.2970, -23.3174, 105.8565

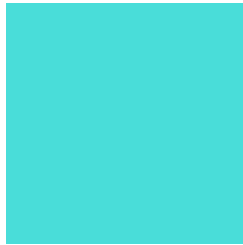


13.8680, -6.3439, 28.1798



# Previews

## White Background



This preview shows how the YUV color 176.2920, 20.0690, -90.5871 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

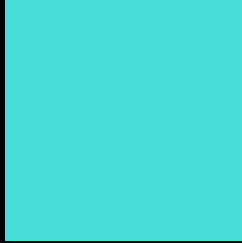
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 176.2920, 20.0690, -90.5871 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

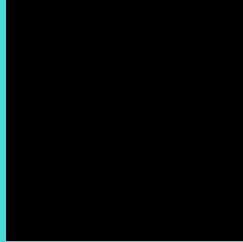
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

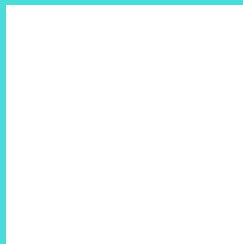
Any Text WCAG AAA ✓ Pass

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

# YUV 176.2920, 20.0690, -90.5871 Background



This preview shows how black text looks on a background with the YUV color 176.2920, 20.0690, -90.5871.



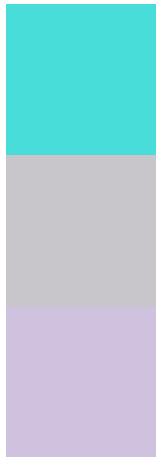
This preview shows how white text looks on a background with the YUV color 176.2920, 20.0690, -90.5871.

-90.5871.

# 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

176.2920, 20.0690, -90.5871

### Protanopia

199.4670, 1.7418, 1.3444

### Deuteranopia

201.1930, 10.7509, 5.0927



## Tritanopia

179.6870, 27.7623, -84.7945

# Trichromacy



## Original Color

176.2920, 20.0690, -90.5871



## Protanomaly

190.6800, 8.5388, -32.1684



## Deuteranomaly

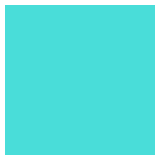
192.1840, 14.2063, -29.9794



## Tritanomaly

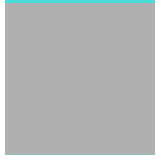
178.2800, 25.0050, -87.0686

# Monochromacy



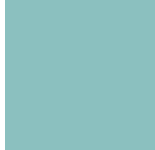
## Original Color

176.2920, 20.0690, -90.5871



## Achromatopsia

176.0000, 0.0000, 0.0000



## Achromatomaly

176.0390, 7.3758, -32.4832

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 176.2920, 20.0690, -90.5871 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(73, 221, 217)` looks like.

```
.text, #text, p{  
    color:rgb(73, 221, 217)  
}
```

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(73, 221, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 221, 217) }
```

## Border

The CSS property to change the border of an element to YUV 176.2920, 20.0690, -90.5871 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(73, 221, 217) }
```



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

```
.border{ border-color:rgb(73, 221, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 221, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 221, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 221, 217);  
box-shadow:4px 4px 4px 4px rgb(73, 221,  
217) }
```

# Background

The CSS property to change the background color of an element to YUV 176.2920, 20.0690, -90.5871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 221, 217) }
```

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

```
.background{ background-color: rgb(73, 221,  
217) }
```

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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