

Converting Colors

YUV(156.6910, 35.1553,
-76.0280)

Have a look what the booklet for
YUV(156.6910, 35.1553, -76.0280)
contains.

YUV(156.6910, 35.1553, -76.0280)	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(156.6910, 35.1553,
-76.0280)**

Conversions

Conversions Part 1

Format	Color
Hex	46BBE4
RGB	70, 187, 228
RGB Percent	27%, 73%, 89%
CMY	0.7255, 0.2667, 0.1059
CMYK	0.69, 0.18, 0.00, 0.11
HSL	196°, 75%, 58%
HSV	196°, 69%, 89%
XYZ	34.2997, 42.4442, 79.7835
YIQ	156.6910, -82.8930, -12.0530

Conversions

Conversions Part 2

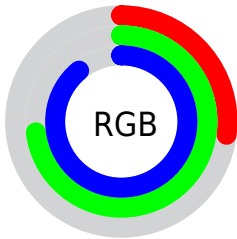
Format	Color
RYB	70, 137, 228
Decimal	4635620
CIELab	71.18, -19.78, -30.00
CIELCh	71, 35.939, 236.601
Yxy	42.4442, 0.2191, 0.2712
Android (android.graphics.Color)	4282825700 (0xFF46BBE4)
YUV	156.6910, 35.1553, -76.0280
Hunter-Lab	65.1492, -20.0345, -27.0038

Details

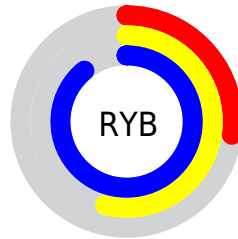
The YUV color **156.6910, 35.1553, -76.0280** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **141.3090, -35.1553, 76.0280**, and the grayscale version is **156.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **212.3750, 21.0141, -66.9809**, and **98.2660, 36.3509, -86.1793** is the 20% darker color. If you saturate the color by 10%, you get **146.2920, 40.2820, -87.0791**, and if you desaturate by 10%, it is **167.0900, 30.0286, -64.9769**.

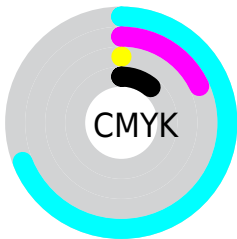
Distribution



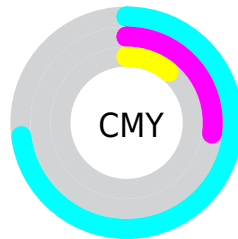
- Red (27%)
- Green (73%)
- Blue (89%)



- Red (27%)
- Yellow (54%)
- Blue (89%)



- Cyan (69%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (73%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the YUV color 156.6910, 35.1553, -76.0280 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 156.6910, 35.1553, -76.0280 by changing the saturation by 10% instead.

■ 156.6910, 35.1553,
-76.0280

■ 156.6910, 35.1553,
-76.0280

255.0000, 0.0000,
0.0000

■ 122.9990, 37.9615,
-89.4531

■ 212.3750, 21.0141,
-66.9809

■ 98.2660, 36.3509,
-86.1793

■ 228.6880, 12.9718,
-54.1004

■ 80.0400, 32.5183,
-70.1951

■ 237.6580, 8.5496,
-35.6571

■ 62.9880, 28.1069,
-55.2405

■ 246.9270, 3.9800,
-16.5990

■ 46.6370, 23.8430,
-40.9006

■ 30.9870, 19.7264,
-27.1756

■ 12.6300, 17.9304,

-11.0765

■ 3.6650, 11.5042,
-3.2142

■ 0.0000, 0.0000,
0.0000

■ 156.6910, 35.1553,
-76.0280

■ 156.6910, 35.1553,
-76.0280

■ 146.2920, 40.2820,
-87.0791

■ 167.0900, 30.0286,
-64.9769

■ 135.8930, 45.4088,
-98.1302

■ 177.4890, 24.9019,
-53.9259

■ 125.7930, 50.3881,
-108.5665

■ 187.5890, 19.9226,
-43.4896

■ 125.1950, 50.6829,
-109.7960

■ 197.9880, 14.7959,
-32.4385

■ 208.3870, 9.6692,
-21.3874

■ 218.1990, 4.8319,
-9.8215

■ 228.5980, -0.2948,
1.2296

■ 238.6980, -5.2741,
11.6659

■ 243.1170, -7.4527,
10.4214

Harmonies

Analogous

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



150.6930, 25.2944, -86.5538



156.6910, 35.1553, -76.0280



168.7970, 34.6101, -41.0410

Triad

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



156.6910, 35.1553, -76.0280



177.8350, 0.5743, 49.2567



168.9910, -26.6176, -2.6231

Complementary

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



156.6910, 35.1553, -76.0280



141.3090, -35.1553, 76.0280

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.



172.6030, -31.3563, 24.0272



156.6910, 35.1553, -76.0280



176.5570, -14.5716, 53.8855

Square

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



156.6910, 35.1553, -76.0280



179.0140, 15.7691, 28.9287



174.9890, -26.6166, 43.8596



164.2460, -13.4323, -31.7877

Rectangle

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



156.6910, 35.1553, -76.0280



174.3380, 30.8924, -15.2054



174.9890, -26.6166, 43.8596



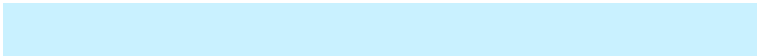
170.3620, -29.2655, 6.6985

Sweetspot

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



156.6910, 35.1553, -76.0280



230.6360, 12.0115, -25.9908



167.3060, -28.2519, -85.3374



113.1490, 7.3215, -15.0397



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.



156.6910, 35.1553, -76.0280



159.3270, 47.1668, -102.0188



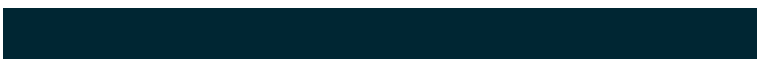
111.4920, 57.4384, -36.3885



109.6510, 2.6371, -5.8329



97.8900, 39.9872, -85.8495



28.1200, 11.2798, -24.6612

Inverse Universe

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



130.5800, 27.8151, 85.4373



124.2860, 37.3270, 114.6362



187.0950, -57.7278, 35.8737



107.6140, 2.1623, 6.4775



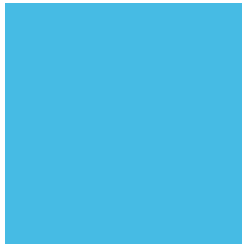
68.5690, 31.2715, 96.8480



19.5810, 9.0806, 27.5545

Previews

White Background



This preview shows how the YUV color 156.6910, 35.1553, -76.0280 looks on a white background.

Color Contrast Check

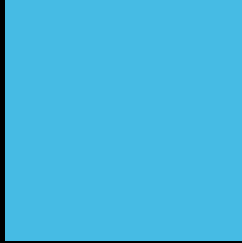
Large Text (above 18pt) WCAG AA × Fail

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 156.6910, 35.1553, -76.0280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

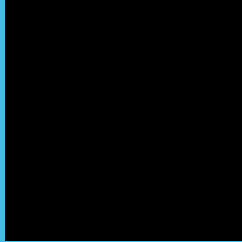
Any Text WCAG AA ✓ Pass

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 156.6910, 35.1553, -76.0280 Background



This preview shows how black text looks on a background with the YUV color 156.6910, 35.1553, -76.0280.



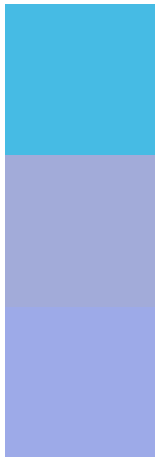
This preview shows how white text looks on a background with the YUV color 156.6910, 35.1553, -76.0280.

-76.0280.

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

156.6910, 35.1553, -76.0280

Protanopia

173.5530, 21.4194, -10.1320

Deuteranopia

173.1810, 28.9978, -14.1907



Tritanopia

152.3450, 26.4519, -84.4946

Trichromacy



Original Color

156.6910, 35.1553, -76.0280

Protanomaly

167.6640, 26.2946, -33.9083

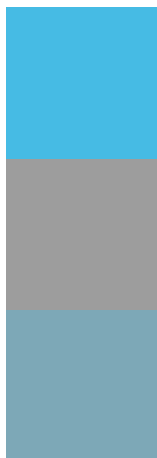
Deuteranomaly

167.0210, 31.5416, -36.8524

Tritanomaly

154.1650, 29.4987, -81.7057

Monochromacy



Original Color

156.6910, 35.1553, -76.0280

Achromatopsia

157.0000, 0.0000, 0.0000

Achromatomaly

156.8530, 12.8905, -27.9351

CSS Examples

Text

The CSS property to change the color of the text to YUV 156.6910, 35.1553, -76.0280 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(70, 187, 228)` looks like.

```
.text, #text, p{  
    color:rgb(70, 187, 228)  
}
```

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(70, 187, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 187, 228) }
```

Border

The CSS property to change the border of an element to YUV 156.6910, 35.1553, -76.0280 is called "border".

The border property can be set on classes, ids or directly on the HTML element.

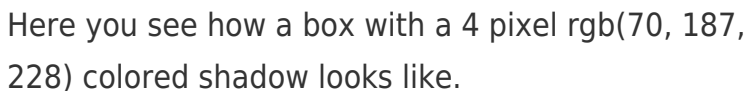
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(70, 187, 228) }
```


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

```
.border{ border-color:rgb(70, 187, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(70, 187, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(70, 187, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(70, 187, 228); box-shadow:4px 4px 4px 4px rgb(70, 187, 228) }
```

Background

The CSS property to change the background color of an element to YUV 156.6910, 35.1553, -76.0280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 187, 228) }
```

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

```
.background{ background-color: rgb(70, 187,  
228) }
```

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