

# Converting Colors

YIQ(156.0670, -81.1960,  
-15.2760)

Have a look what the booklet for  
YIQ(156.0670, -81.1960, -15.2760)  
contains.

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# Color

**YIQ(156.0670, -81.1960,  
-15.2760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45BCDC
RGB	69, 188, 220
RGB Percent	27%, 74%, 86%
CMY	0.7296, 0.2625, 0.1376
CMYK	0.69, 0.14, 0.00, 0.14
HSL	193°, 68%, 57%
HSV	193°, 69%, 86%
XYZ	33.3500, 42.4132, 74.0776
YIQ	156.0670, -81.1960, -15.2760

# Conversions

## Conversions Part 2

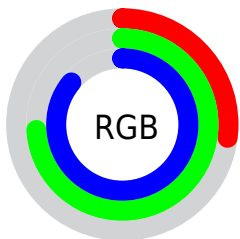
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 136, 220
Decimal	4570332
CIELab	71.15, -23.01, -25.64
CIElCh	71, 34.446, 228.092
Yxy	42.4132, 0.2226, 0.2831
Android (android.graphics.Color)	4282760412 (0xFF45BCDC)
YUV	156.0670, 31.5190, -76.3578
Hunter-Lab	65.1254, -22.5618, -21.8522

# Details

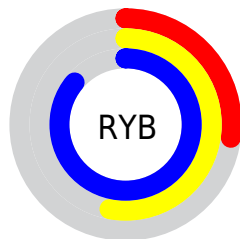
The YIQ color **156.0670, -81.1960, -15.2760** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **132.9330, 81.1960, 15.2760**, and the grayscale version is **156.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **212.3640, -69.0910, -19.8990**, and **98.0550, -90.0900, -19.2900** is the 20% darker color. If you saturate the color by 10%, you get **146.5540, -92.9330, -17.3250**, and if you desaturate by 10%, it is **165.5800, -69.4590, -13.2270**.

# Distribution



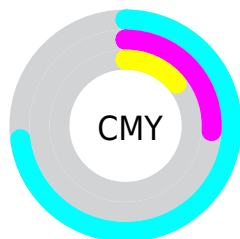
- Red (27%)
- Green (74%)
- Blue (86%)



- Red (27%)
- Yellow (53%)
- Blue (86%)



- Cyan (69%)
- Magenta (14%)
- Yellow (0%)
- Black (14%)



- Cyan (73%)
- Magenta (26%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 156.0670, -81.1960, -15.2760 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 YIQ color 156.0670, -81.1960, -15.2760 by changing the saturation by 10% instead.



■ 156.0670,  
-81.1960, -15.2760

■ 156.0670,  
-81.1960, -15.2760

■ 255.0000, -0.0000,  
-0.0000

■ 122.6740,  
-93.3910, -20.0390

■ 212.3640,  
-69.0910, -19.8990

■ 98.0550, -90.0900,  
-19.2900

■ 228.0900,  
-53.6400, -19.0800

■ 79.7150, -74.2730,  
-14.0890

■ 237.0600,  
-35.7600, -12.7200

■ 62.7770, -59.6480,  
-9.3120

■ 246.3290,  
-17.2840, -6.1480

■ 45.8390, -45.0230,  
-4.5350

■ 30.3030, -31.5900,  
-0.1820

■ 11.3590, -16.8280,

7.6200

■ 2.9810, -7.0160,  
6.0080

■ 0.0000, 0.0000,  
0.0000

■ 156.0670,  
-81.1960, -15.2760

■ 156.0670,  
-81.1960, -15.2760

■ 146.5540,  
-92.9330, -17.3250

■ 165.5800,  
-69.4590, -13.2270

■ 137.6280,  
-104.9450, -19.8970

■ 174.5060,  
-57.4470, -10.6550

■ 128.1150,  
-116.6820, -21.9460

■ 184.0190,  
-45.7100, -8.6060

■ 127.2180,  
-118.4700, -22.5820

■ 193.5320,  
-33.9730, -6.5570

■ 202.4580,  
-21.9610, -3.9850

■ 211.9710,  
-10.2240, -1.9360

■ 221.4840, 1.5130,  
0.1130

■ 230.4100, 13.5250,  
2.6850

■ 236.3350, 18.1100,  
2.1900

# Harmonies

## Analogous

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



154.7500, -73.3540, -25.2420



156.0670, -81.1960, -15.2760



166.2260, -59.0540, 1.9540

# Triad

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



156.0670, -81.1960, -15.2760



178.8280, 33.7400, 27.3080



170.1060, 19.3520, -20.3280

# Complementary

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



156.0670, -81.1960, -15.2760



132.9330, 81.1960, 15.2760

# 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.



173.3910, 40.8990, -8.8370



156.0670, -81.1960, -15.2760



176.9850, 49.0550, 19.5750

# Square

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



156.0670, -81.1960, -15.2760



178.3550, 7.3310, 26.8430



175.6240, 51.0290, 5.8210



166.2750, -9.1650, -26.6450



# Rectangle

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



156.0670, -81.1960, -15.2760



172.0980, -37.7820, 12.9220



175.6240, 51.0290, 5.8210



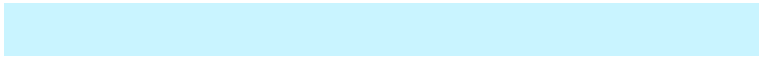
171.4060, 27.3750, -17.0490

# Sweetspot

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



156.0670, -81.1960, -15.2760



232.3970, -29.1590, -5.6950



161.0570, -51.1550, -69.6430



114.3230, -17.1470, -3.1230



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.



156.0670, -81.1960, -15.2760



166.6810, -112.4640, -21.2960



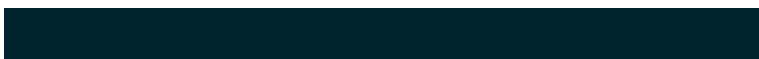
112.6290, -60.8460, 23.4260



104.9500, -5.7310, -0.7630



100.1410, -93.2080, -17.8480



26.3760, -24.6660, -4.5220



# Inverse Universe

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



127.7150, 51.7970, 69.0210



127.3010, 71.5990, 95.6230



176.3710, 60.8460, -23.4260



103.2010, 3.9880, 4.8200



67.3450, 59.1310, 79.2830

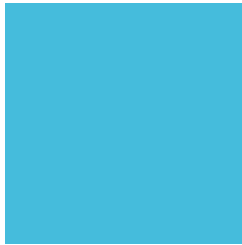


17.8580, 15.8600, 20.9480



# Previews

## White Background



This preview shows how the YIQ color 156.0670, -81.1960, -15.2760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

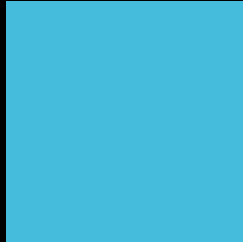
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 156.0670, -81.1960, -15.2760 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](#).

# YIQ 156.0670, -81.1960, -15.2760 Background



This preview shows how black text looks on a background with the YIQ color 156.0670, -81.1960, -15.2760.



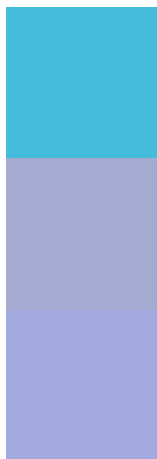
This preview shows how white text looks on a background with the YIQ color 156.0670, -81.1960, -15.2760.

-15.2760.

# 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

156.0670, -81.1960, -15.2760

### Protanopia

173.4240, -15.4530, 10.2350

### Deuteranopia

174.0630, -21.5060, 15.3100



## Tritanopia

152.9540, -82.6160, -22.5840

# Trichromacy



## Original Color

156.0670, -81.1960, -15.2760

## Protanomaly

166.9370, -39.2470, 0.9210

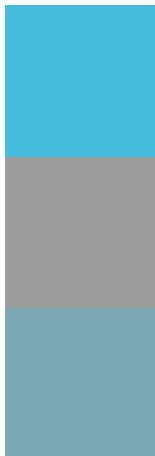
## Deuteranomaly

167.8920, -43.3740, 4.1300

## Tritanomaly

153.8340, -82.1580, -19.8700

# Monochromacy



## Original Color

156.0670, -81.1960, -15.2760

## Achromatopsia

156.0000, -0.0000, -0.0000

## Achromatomaly

156.0980, -29.7550, -5.9070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 156.0670, -81.1960, -15.2760 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(69, 188, 220)` looks like.

```
.text, #text, p{  
    color:rgb(69, 188, 220)  
}
```

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(69, 188, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 188, 220) }
```

## Border

The CSS property to change the border of an element to YIQ 156.0670, -81.1960, -15.2760 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(69, 188, 220) }
```



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

```
.border{ border-color:rgb(69, 188, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 188, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 188, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 188, 220);  
box-shadow:4px 4px 4px 4px rgb(69, 188,  
220) }
```

# Background

The CSS property to change the background color of an element to YIQ 156.0670, -81.1960, -15.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 188, 220) }
```

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

```
.background{ background-color: rgb(69, 188,  
220) }
```

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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