

# Converting Colors

YIQ(156.0950, -132.2660,  
-47.8980)

Have a look what the booklet for  
YIQ(156.0950, -132.2660, -47.8980)  
contains.

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# Color

**YIQ(156.0950, -132.2660,  
-47.8980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DFDD
RGB	0, 223, 221
RGB Percent	0%, 87%, 87%
CMY	0.9998, 0.1251, 0.1339
CMYK	1.00, 0.00, 0.01, 0.13
HSL	179°, 100%, 44%
HSV	179°, 100%, 87%
XYZ	39.4461, 58.0388, 77.4370
YIQ	156.0950, -132.2660, -47.8980

# Conversions

## Conversions Part 2

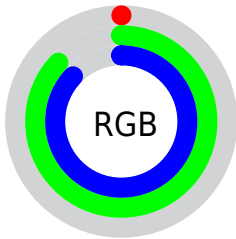
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 112, 223
Decimal	57309
CIELab	80.76, -44.11, -11.69
CIELCh	81, 45.637, 194.847
Yxy	58.0388, 0.2255, 0.3318
Android (android.graphics.Color)	4278247389 (0xFF00DFDD)
YUV	156.0950, 31.9982, -136.8953
Hunter-Lab	76.1832, -40.8970, -6.9375

# Details

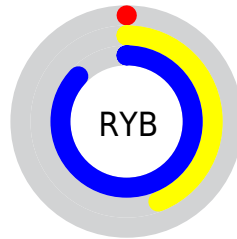
The YIQ color **156.0950, -132.2660, -47.8980** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **66.9050, 132.2660, 47.8980**, and the grayscale version is **156.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **212.2430, -85.2280, -30.3160**, and **116.9530, -99.2110, -35.7150** is the 20% darker color. If you saturate the color by 10%, you get **156.0950, -132.2660, -47.8980**, and if you desaturate by 10%, it is **162.6730, -119.1540, -43.2340**.

# Distribution



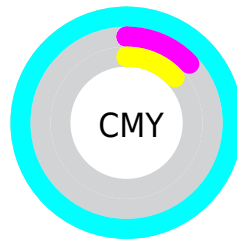
- Red (0%)
- Green (87%)
- Blue (87%)



- Red (0%)
- Yellow (44%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)



- Cyan (100%)
- Magenta (13%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 156.0950, -132.2660, -47.8980 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 156.0950, -132.2660, -47.8980 by changing the saturation by 10% instead.



■ 156.0950,  
-132.2660, -47.8980

■ 156.0950,  
-132.2660, -47.8980

■ 255.0000, -0.0000,  
-0.0000

■ 136.4670,  
-115.5780, -41.9620

■ 212.2430,  
-85.2280, -30.3160

■ 116.9530,  
-99.2110, -35.7150

■ 222.4090,  
-64.9640, -23.1080

■ 98.1400, -83.4400,  
-29.6800

■ 232.2760,  
-45.2960, -16.1120

■ 79.9140, -67.9440,  
-24.1680

■ 241.8440,  
-26.2240, -9.3280

■ 61.9160, -53.0900,  
-18.0340

■ 251.4120, -7.1520,  
-2.5440

■ 45.0920, -38.7860,  
-12.9460

■ 29.6700, -25.6740,

-8.2820

■ 6.3720, -9.6750,  
4.6370

■ 0.0000, 0.0000,  
0.0000

■ 156.0950,  
-132.2660, -47.8980

■ 162.6730,  
-119.1540, -43.2340

■ 169.5500,  
-105.4460, -38.3580

■ 176.2420,  
-92.6550, -33.3830

■ 182.8200,  
-79.5430, -28.7190

■ 189.6970,  
-65.8350, -23.8430

■ 196.2750,  
-52.7230, -19.1790

■ 202.8530,  
-39.6110, -14.5150

■ 209.8440,  
-26.2240, -9.3280

■ 216.4220,  
-13.1120, -4.6640

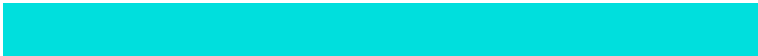
# Harmonies

## Analogous

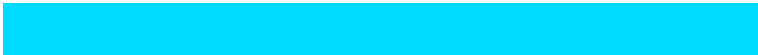
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



181.2890, -56.4790, -39.2230



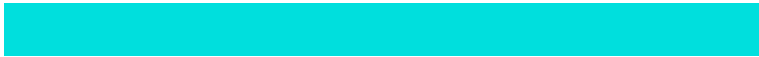
156.0950, -132.2660, -47.8980



158.2100, -142.3550, -35.7550

# Triad

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



156.0950, -132.2660, -47.8980



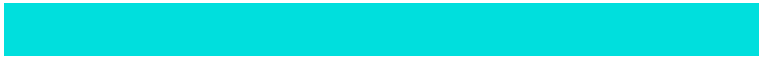
205.2720, 6.3670, 33.3030



198.8350, 57.0840, -10.3080

# Complementary

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



156.0950, -132.2660, -47.8980



66.9050, 132.2660, 47.8980

# 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.



195.7450, 57.9980, 6.1740



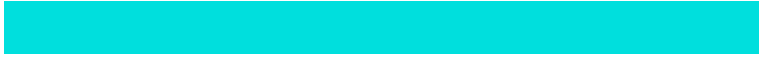
156.0950, -132.2660, -47.8980



200.9840, 33.6010, 35.3370

# Square

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



156.0950, -132.2660, -47.8980



196.1370, -33.5180, 12.7380



194.9080, 47.9540, 23.0100



195.4520, 29.7610, -27.2550



# Rectangle

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



156.0950, -132.2660, -47.8980



173.2150, -105.2200, -20.4200



194.9080, 47.9540, 23.0100



198.9760, 61.3010, -4.1310

# Sweetspot

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



156.0950, -132.2660, -47.8980



232.1620, -44.9750, -16.4230



132.0970, -58.9410, -115.7810



114.1320, -27.0950, -10.0630



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.



156.0950, -132.2660, -47.8980



178.4130, -151.0170, -54.9930



92.9270, -103.2080, 9.2080



108.7110, -6.5560, -2.3320



123.1480, -104.2540, -37.9340



33.6480, -28.6080, -10.1760



# Inverse Universe

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



66.9050, 132.2660, 47.8980



76.5870, 151.0170, 54.9930



130.0730, 103.2080, -9.2080



104.2890, 6.5560, 2.3320



52.8520, 104.2540, 37.9340

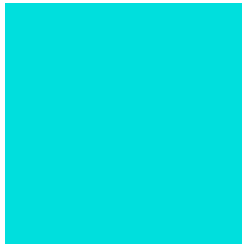


14.3520, 28.6080, 10.1760



# Previews

## White Background



This preview shows how the YIQ color 156.0950, -132.2660, -47.8980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

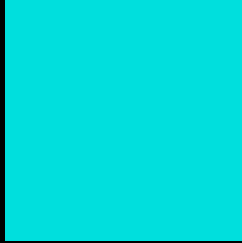
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 156.0950, -132.2660, -47.8980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

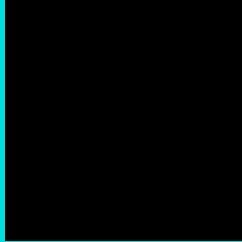
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

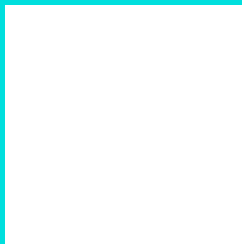
Any Text WCAG AAA ✓ Pass

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

# YIQ 156.0950, -132.2660, -47.8980 Background



This preview shows how black text looks on a background with the YIQ color 156.0950, -132.2660, -47.8980.



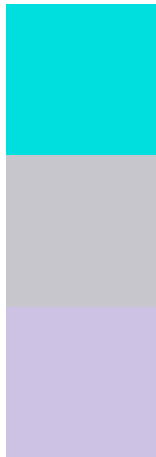
This preview shows how white text looks on a background with the YIQ color 156.0950, -132.2660, -47.8980.



# 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

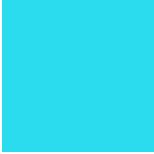
156.0950, -132.2660, -47.8980

### Protanopia

199.3960, -1.0550, 2.6010

### Deuteranopia

201.0510, -4.0370, 12.5950



## Tritanopia

168.8300, -111.8660, -32.1380

# Trichromacy



## Original Color

156.0950, -132.2660, -47.8980



## Protanomaly

183.5360, -48.9640, -15.7160



## Deuteranomaly

184.8550, -51.1200, -9.6800



## Tritanomaly

164.2480, -119.1550, -37.7070

# Monochromacy



## Original Color

156.0950, -132.2660, -47.8980



## Achromatopsia

156.0000, -0.0000, -0.0000



## Achromatomaly

155.7810, -48.2760, -17.1720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 156.0950, -132.2660, -47.8980 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(0, 223, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 223, 221)  
}
```

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(0, 223, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 223, 221) }
```

## Border

The CSS property to change the border of an element to YIQ 156.0950, -132.2660, -47.8980 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(0, 223, 221) }
```



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

```
.border{ border-color:rgb(0, 223, 221) }
```

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

Here you see how a box with a 4 pixel rgb(0, 223, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 223, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 223, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 223,  
221) }
```

# Background

The CSS property to change the background color of an element to YIQ 156.0950, -132.2660, -47.8980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 223, 221) }
```

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

```
.background{ background-color: rgb(0, 223,  
221) }
```

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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