

# Converting Colors

YIQ(156.2620, -104.5750,  
-37.6230)

Have a look what the booklet for  
YIQ(156.2620, -104.5750, -37.6230)  
contains.

<b>YIQ(156.2620, -104.5750, -37.6230)</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

**YIQ(156.2620, -104.5750,  
-37.6230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21D1D0
RGB	33, 209, 208
RGB Percent	13%, 82%, 82%
CMY	0.8709, 0.1801, 0.1847
CMYK	0.84, 0.00, 0.01, 0.18
HSL	180°, 73%, 47%
HSV	180°, 84%, 82%
XYZ	34.8146, 50.5077, 67.5204
YIQ	156.2620, -104.5750, -37.6230

# Conversions

## Conversions Part 2

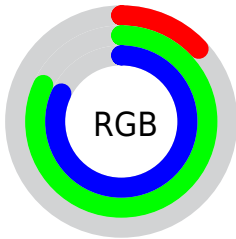
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 121, 209
Decimal	2216400
CIELab	76.38, -40.44, -11.28
CIELCh	76, 41.983, 195.580
Yxy	50.5077, 0.2278, 0.3305
Android (android.graphics.Color)	4280406480 (0xFF21D1D0)
YUV	156.2620, 25.5068, -108.1008
Hunter-Lab	71.0688, -36.9282, -6.5816

# Details

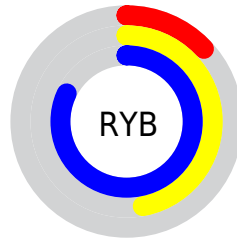
The YIQ color **156.2620, -104.5750, -37.6230** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **85.7380, 104.5750, 37.6230**, and the grayscale version is **156.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **213.4390, -82.8440, -29.4680**, and **107.9540, -91.7840, -32.6480** is the 20% darker color. If you saturate the color by 10%, you get **149.9830, -117.0910, -42.0750**, and if you desaturate by 10%, it is **162.5410, -92.0590, -33.1710**.

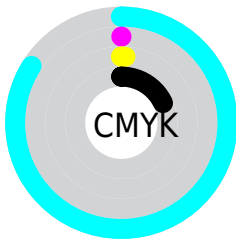
# Distribution



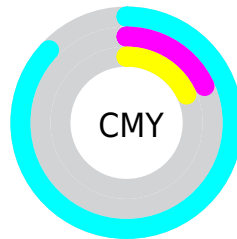
- Red (13%)
- Green (82%)
- Blue (82%)



- Red (13%)
- Yellow (47%)
- Blue (82%)



- Cyan (84%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)



- Cyan (87%)
- Magenta (18%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 156.2620, -104.5750, -37.6230 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 156.2620, -104.5750, -37.6230 by changing the saturation by 10% instead.



■ 156.2620,  
-104.5750, -37.6230

■ 156.2620,  
-104.5750, -37.6230

■ 255.0000, -0.0000,  
-0.0000

■ 126.7670,  
-107.5550, -38.6830

■ 213.4390,  
-82.8440, -29.4680

■ 107.9540,  
-91.7840, -32.6480

■ 223.0070,  
-63.7720, -22.6840

■ 89.1410, -76.0130,  
-26.6130

■ 232.5750,  
-44.7000, -15.9000

■ 71.6160, -61.1130,  
-21.3130

■ 241.8440,  
-26.2240, -9.3280

■ 54.2050, -46.5340,  
-15.7020

■ 251.1130, -7.7480,  
-2.7560

■ 37.4950, -32.5510,  
-10.3030

■ 22.0730, -19.4390,

-5.6390

■ 1.3680, -3.8520,  
3.7320

■ 0.0000, 0.0000,  
0.0000

■ 156.2620,  
-104.5750, -37.6230

■ 156.2620,  
-104.5750, -37.6230

■ 149.9830,  
-117.0910, -42.0750

■ 162.5410,  
-92.0590, -33.1710

■ 146.3950,  
-124.2430, -44.6190

■ 168.8200,  
-79.5430, -28.7190

■ 175.0990,  
-67.0270, -24.2670

■ 181.3780,  
-54.5110, -19.8150

■ 187.4720,  
-42.9120, -15.2640

■ 193.7510,  
-30.3960, -10.8120

■ 200.0300,  
-17.8800, -6.3600

■ 206.3090, -5.3640,  
-1.9080

■ 212.5880, 7.1520,  
2.5440

# Harmonies

## Analogous

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



170.8490, -52.1240, -35.5480



156.2620, -104.5750, -37.6230



148.6240, -134.6530, -32.1650

# Triad

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



156.2620, -104.5750, -37.6230



193.2610, 4.9000, 32.3560



187.3120, 51.3070, -10.2370

# Complementary

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



156.2620, -104.5750, -37.6230



85.7380, 104.5750, 37.6230

# 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.



189.0770, 62.9950, 9.2270



156.2620, -104.5750, -37.6230



193.0940, 39.1030, 34.7430

# Square

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



156.2620, -104.5750, -37.6230



187.0000, -34.3900, 17.5300



188.2570, 54.2810, 23.9850



183.4780, 26.8720, -24.4560



# Rectangle

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



156.2620, -104.5750, -37.6230



167.9870, -95.4100, -10.9780



188.2570, 54.2810, 23.9850



187.9370, 57.0370, -3.9470

# Sweetspot

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



156.2620, -104.5750, -37.6230



235.8640, -38.1440, -13.5680



137.2090, -46.6120, -91.4120



116.2250, -22.9230, -8.5790



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.



156.2620, -104.5750, -37.6230



178.5270, -151.3380, -54.6820



106.4810, -81.5210, 7.1430



101.5970, -6.2350, -2.6430



117.6540, -99.8070, -35.9270



28.7410, -24.4360, -8.6920



# Inverse Universe

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



85.7380, 104.5750, 37.6230



76.4730, 151.3380, 54.6820



135.5190, 81.5210, -7.1430



97.2890, 6.5560, 2.3320



50.3460, 99.8070, 35.9270

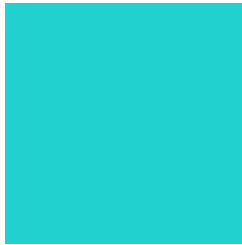


12.2590, 24.4360, 8.6920



# Previews

## White Background



This preview shows how the YIQ color 156.2620, -104.5750, -37.6230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

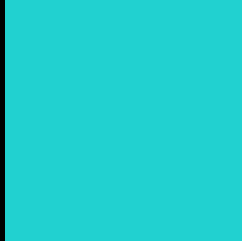
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 156.2620, -104.5750, -37.6230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

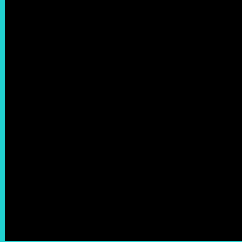
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

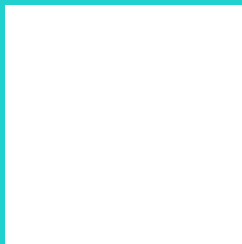
Any Text WCAG AAA ✓ Pass

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

# YIQ 156.2620, -104.5750, -37.6230 Background



This preview shows how black text looks on a background with the YIQ color 156.2620, -104.5750, -37.6230.



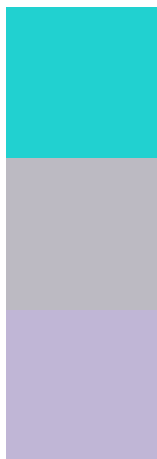
This preview shows how white text looks on a background with the YIQ color 156.2620, -104.5750, -37.6230.



# 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

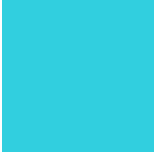
156.2620, -104.5750, -37.6230

### Protanopia

187.5100, -1.3760, 2.9120

### Deuteranopia

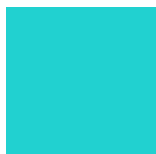
188.6380, -4.3120, 12.0720



## **Tritanopia**

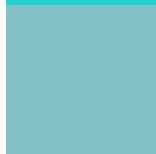
161.5820, -99.3040, -28.5200

# Trichromacy



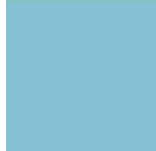
## Original Color

156.2620, -104.5750, -37.6230



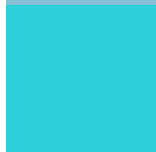
## Protanomaly

176.0320, -38.5570, -11.5890



## Deuteranomaly

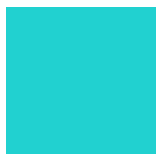
176.9380, -40.9880, -6.0760



## Tritanomaly

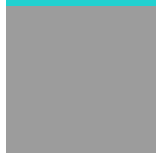
159.8050, -101.5500, -31.8700

# Monochromacy



## Original Color

156.2620, -104.5750, -37.6230



## Achromatopsia

156.0000, -0.0000, -0.0000



## Achromatomaly

155.8640, -38.1440, -13.5680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 156.2620, -104.5750, -37.6230 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(33, 209, 208)` looks like.

```
.text, #text, p{  
    color:rgb(33, 209, 208)  
}
```

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(33, 209, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 209, 208) }
```

## Border

The CSS property to change the border of an element to YIQ 156.2620, -104.5750, -37.6230 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(33, 209, 208) }
```



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

```
.border{ border-color:rgb(33, 209, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 209, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 209, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 209, 208);  
box-shadow:4px 4px 4px 4px rgb(33, 209,  
208) }
```

# Background

The CSS property to change the background color of an element to YIQ 156.2620, -104.5750, -37.6230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 209, 208) }
```

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

```
.background{ background-color: rgb(33, 209,  
208) }
```

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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