

# Converting Colors

YIQ(153.7960, -123.6940,  
-38.0460)

Have a look what the booklet for  
YIQ(153.7960, -123.6940, -38.0460)  
contains.

<b>YIQ(153.7960, -123.6940, -38.0460)</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(153.7960, -123.6940,  
-38.0460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0CD4E2
RGB	12, 212, 226
RGB Percent	5%, 83%, 89%
CMY	0.9532, 0.1683, 0.1142
CMYK	0.95, 0.06, 0.00, 0.11
HSL	184°, 90%, 47%
HSV	184°, 95%, 89%
XYZ	37.4244, 52.6903, 80.0573
YIQ	153.7960, -123.6940, -38.0460

# Conversions

## Conversions Part 2

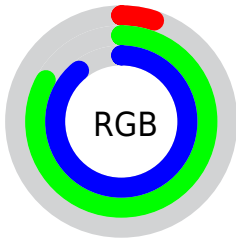
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	12, 115, 226
Decimal	840930
CIE Lab	77.69, -37.37, -18.98
CIE LCh	78, 41.913, 206.921
Yxy	52.6903, 0.2199, 0.3096
Android (android.graphics.Color)	4279031010 (0xFF0CD4E2)
YUV	153.7960, 35.5966, -124.3551
Hunter-Lab	72.5881, -34.9996, -14.5792

# Details

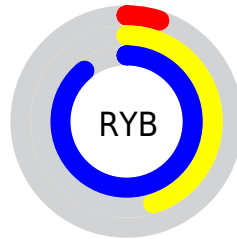
The YIQ color **153.7960, -123.6940, -38.0460** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **84.2040, 123.6940, 38.0460**, and the grayscale version is **154.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **212.5420, -84.6320, -30.1040**, and **111.6530, -98.0660, -28.9300** is the 20% darker color. If you saturate the color by 10%, you get **149.6210, -130.5710, -40.0670**, and if you desaturate by 10%, it is **161.8470, -110.5360, -34.2160**.

# Distribution



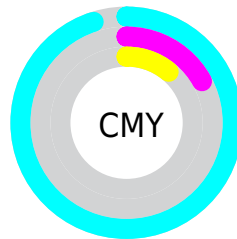
- Red (5%)
- Green (83%)
- Blue (89%)



- Red (5%)
- Yellow (45%)
- Blue (89%)



- Cyan (95%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)



- Cyan (95%)
- Magenta (17%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 153.7960, -123.6940, -38.0460 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 153.7960, -123.6940, -38.0460 by changing the saturation by 10% instead.



153.7960,  
-123.6940, -38.0460

153.7960,  
-123.6940, -38.0460

255.0000, -0.0000,  
-0.0000

130.5800,  
-114.1580, -34.6540

212.5420,  
-84.6320, -30.1040

111.6530,  
-98.0660, -28.9300

222.4090,  
-64.9640, -23.1080

92.7260, -81.9740,  
-23.2060

232.2760,  
-45.2960, -16.1120

75.0870, -66.7530,  
-18.2170

241.5450,  
-26.8200, -9.5400

57.6760, -52.1740,  
-12.6060

251.1130, -7.7480,  
-2.7560

40.8520, -37.8700,  
-7.5180

26.0170, -25.0330,

-3.3770

■ 3.6650, -8.9420,  
7.8740

■ 0.0000, 0.0000,  
0.0000

■ 153.7960,  
-123.6940, -38.0460

■ 153.7960,  
-123.6940, -38.0460

■ 149.6210,  
-130.5710, -40.0670

■ 161.8470,  
-110.5360, -34.2160

■ 169.0120,  
-97.6990, -30.0750

■ 176.4760,  
-84.2660, -25.7220

■ 184.2280,  
-71.7040, -22.1040

■ 191.6920,  
-58.2710, -17.7510

■ 199.4440,  
-45.7090, -14.1330

■ 206.9080,  
-32.2760, -9.7800

■ 214.9590,  
-19.1180, -5.9500

■ 222.1240, -6.2810,  
-1.8090

# Harmonies

## Analogous

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



170.2800, -69.4550, -35.3350



153.7960, -123.6940, -38.0460



166.7250, -106.5960, -17.5080

# Triad

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



153.7960, -123.6940, -38.0460



197.4430, 19.0670, 34.4190



189.4310, 43.4220, -16.0180

# Complementary

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



153.7960, -123.6940, -38.0460



84.2040, 123.6940, 38.0460

# 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.



192.3660, 60.3830, 1.4950



153.7960, -123.6940, -38.0460



193.9110, 43.8720, 30.9120

# Square

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



153.7960, -123.6940, -38.0460



193.6000, -18.3440, 24.0880



190.6390, 55.8410, 17.7370



185.3130, 14.0350, -28.5970

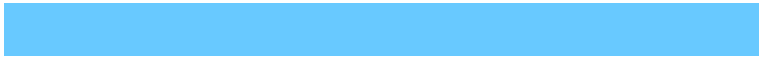


# Rectangle

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



153.7960, -123.6940, -38.0460



178.1530, -75.1460, -3.7700



190.6390, 55.8410, 17.7370



190.6000, 50.4360, -10.9720

# Sweetspot

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



153.7960, -123.6940, -38.0460



230.8360, -40.9410, -12.4370



138.8720, -62.3810, -108.5010



113.0830, -25.3990, -7.7590



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.



153.7960, -123.6940, -38.0460



169.3630, -147.5800, -45.6920



92.7480, -95.0940, 16.3460



108.1240, -6.2810, -1.8090



116.9190, -101.8710, -31.5590



31.8870, -27.7830, -8.6070



# Inverse Universe

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



98.7860, 63.3440, 107.5680



103.4910, 75.2610, 128.3890



145.2520, 95.0940, -16.3460



105.4290, 3.3460, 5.4420



71.4340, 51.9310, 88.6270

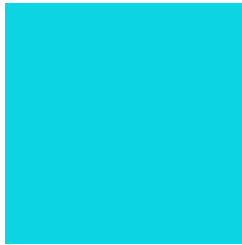


19.4820, 14.1630, 24.1710



# Previews

## White Background



This preview shows how the YIQ color 153.7960, -123.6940, -38.0460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

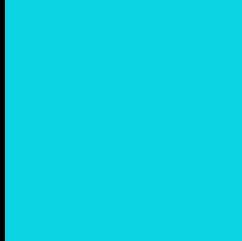
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 153.7960, -123.6940, -38.0460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

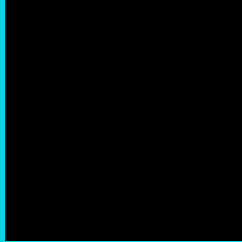
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

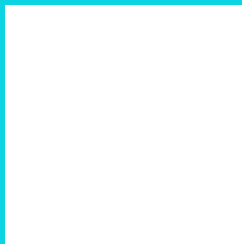
Any Text WCAG AAA ✓ Pass

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

# YIQ 153.7960, -123.6940, -38.0460 Background



This preview shows how black text looks on a background with the YIQ color 153.7960, -123.6940, -38.0460.



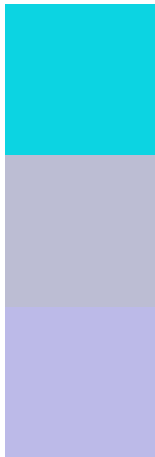
This preview shows how white text looks on a background with the YIQ color 153.7960, -123.6940, -38.0460.

-38.0460.

# 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

153.7960, -123.6940, -38.0460

### Protanopia

191.2090, -7.6580, 6.6300

### Deuteranopia

191.8420, -13.5740, 14.7300



## Tritanopia

157.1280, -118.6970, -34.9930

# Trichromacy



## Original Color

153.7960, -123.6940, -38.0460

## Protanomaly

177.3390, -49.6070, -9.5670

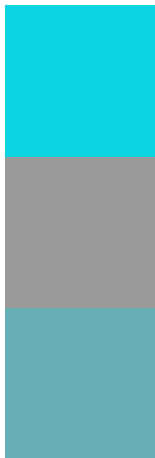
## Deuteranomaly

177.7610, -53.5510, -4.1670

## Tritanomaly

155.8180, -120.7600, -36.1520

# Monochromacy



## Original Color

153.7960, -123.6940, -38.0460

## Achromatopsia

154.0000, -0.0000, -0.0000

## Achromatomaly

153.7430, -45.1130, -13.9210

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 153.7960, -123.6940, -38.0460 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(12, 212, 226)` looks like.

```
.text, #text, p{  
    color:rgb(12, 212, 226)  
}
```

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(12, 212, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 212, 226) }
```

## Border

The CSS property to change the border of an element to YIQ 153.7960, -123.6940, -38.0460 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(12, 212, 226) }
```



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

```
.border{ border-color:rgb(12, 212, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 212, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 212, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 212, 226);  
box-shadow:4px 4px 4px 4px rgb(12, 212,  
226) }
```

# Background

The CSS property to change the background color of an element to YIQ 153.7960, -123.6940, -38.0460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 212, 226) }
```

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

```
.background{ background-color: rgb(12, 212,  
226) }
```

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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