

# Converting Colors

YIQ(166.6540, -118.1430,  
-56.0550)

Have a look what the booklet for  
YIQ(166.6540, -118.1430, -56.0550)  
contains.

<b>YIQ(166.6540, -118.1430, -56.0550)</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(166.6540, -118.1430,  
-56.0550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13EBCA
RGB	19, 235, 202
RGB Percent	7%, 92%, 79%
CMY	0.9259, 0.0781, 0.2083
CMYK	0.92, 0.00, 0.14, 0.08
HSL	171°, 85%, 50%
HSV	171°, 92%, 92%
XYZ	40.6475, 63.8646, 65.9917
YIQ	166.6540, -118.1430, -56.0550

# Conversions

## Conversions Part 2

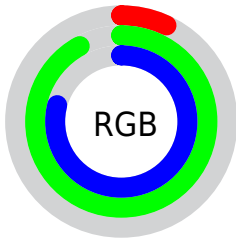
Format	Color
<a href="#">RYB</a>	<a href="#">19, 136, 235</a>
Decimal	<a href="#">1305546</a>
CIELab	<a href="#">83.90, -53.88, 2.98</a>
CIELCh	<a href="#">84, 53.960, 176.835</a>
Yxy	<a href="#">63.8646, 0.2384, 0.3746</a>
Android (android.graphics.Color)	<a href="#">4279495626</a> ( <a href="#">0xFF13EBCA</a> )
YUV	<a href="#">166.6540, 17.4256, -129.4926</a>
Hunter-Lab	<a href="#">79.9153, -49.0610, 6.9808</a>

# Details

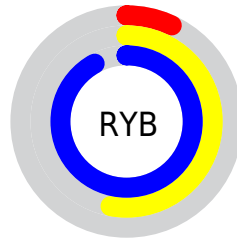
The YIQ color **166.6540, -118.1430, -56.0550** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **87.3460, 118.1430, 56.0550**, and the grayscale version is **167.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **213.4390, -82.8440, -29.4680**, and **121.3580, -96.4580, -47.0660** is the 20% darker color. If you saturate the color by 10%, you get **160.6310, -128.5040, -61.0160**, and if you desaturate by 10%, it is **173.8730, -105.3980, -50.2460**.

# Distribution



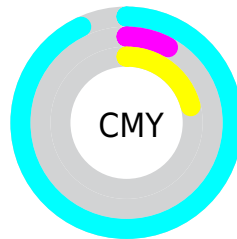
- Red (7%)
- Green (92%)
- Blue (79%)



- Red (7%)
- Yellow (53%)
- Blue (92%)



- Cyan (92%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)



- Cyan (93%)
- Magenta (8%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 166.6540, -118.1430, -56.0550 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 166.6540, -118.1430, -56.0550 by changing the saturation by 10% instead.



■ 166.6540,  
-118.1430, -56.0550

■ 166.6540,  
-118.1430, -56.0550

■ 255.0000, -0.0000,  
-0.0000

■ 140.8720,  
-112.8250, -53.3130

■ 213.4390,  
-82.8440, -29.4680

■ 121.3580,  
-96.4580, -47.0660

■ 223.3060,  
-63.1760, -22.4720

■ 102.5450,  
-80.6870, -41.0310

■ 233.1730,  
-43.5080, -15.4760

■ 83.8460, -65.2370,  
-34.6850

■ 242.7410,  
-24.4360, -8.6920

■ 65.9620, -50.7040,  
-28.2400

■ 252.0100, -5.9600,  
-2.1200

■ 48.6650, -36.4460,  
-22.3180

■ 32.7700, -23.3800,

-16.8200

■ 13.5980, -7.9760,  
-9.6400

■ 0.0000, 0.0000,  
0.0000

■ 166.6540,  
-118.1430, -56.0550

■ 166.6540,  
-118.1430, -56.0550

■ 160.6310,  
-128.5040, -61.0160

■ 173.8730,  
-105.3980, -50.2460

■ 181.5050,  
-92.3780, -43.9140

■ 188.8380,  
-79.9540, -37.7940

■ 196.3560,  
-66.6130, -31.7730

■ 203.6890,  
-54.1890, -25.6530

■ 211.3210,  
-41.1690, -19.3210

■ 218.5400,  
-28.4240, -13.5120

■ 226.1720,  
-15.4040, -7.1800

■ 233.3910, -2.6590,  
-1.3710

# Harmonies

## Analogous

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



191.8060, -33.3700, -45.0340



166.6540, -118.1430, -56.0550



166.7870, -145.8380, -44.2220

# Triad

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



166.6540, -118.1430, -56.0550



206.5910, -14.1250, 19.2110



199.6770, 60.7050, -4.3430

# Complementary

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



166.6540, -118.1430, -56.0550



87.3460, 118.1430, 56.0550

# 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.



195.5460, 51.6690, 16.2530



166.6540, -118.1430, -56.0550



210.3880, 20.9000, 39.7480

# Square

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



166.6540, -118.1430, -56.0550



189.0510, -75.0990, -10.1310



199.5990, 36.1230, 33.6830



205.0870, 55.8940, -21.7860



# Rectangle

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



166.6540, -118.1430, -56.0550



164.6670, -145.3800, -41.5080



199.5990, 36.1230, 33.6830



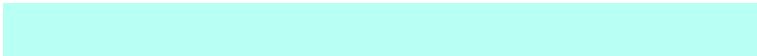
197.5230, 58.5030, 2.5270

# Sweetspot

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



166.6540, -118.1430, -56.0550



232.5170, -38.7850, -18.4730



156.5560, -37.9440, -105.3360



114.0460, -23.9770, -11.5050



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.



166.6540, -118.1430, -56.0550



174.3090, -139.4610, -66.1890



128.1520, -108.9360, -8.1360



113.4830, -5.9140, -2.9540



123.6890, -98.8880, -47.0800



36.8280, -29.2950, -14.2470



# Inverse Universe

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



87.3460, 118.1430, 56.0550



80.6910, 139.4610, 66.1890



125.8480, 108.9360, 8.1360



109.4030, 6.2350, 2.6430



57.3110, 98.8880, 47.0800

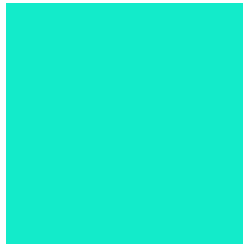


17.0580, 29.6160, 13.9360



# Previews

## White Background



This preview shows how the YIQ color 166.6540, -118.1430, -56.0550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

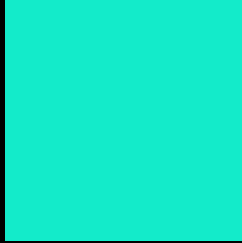
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 166.6540, -118.1430, -56.0550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

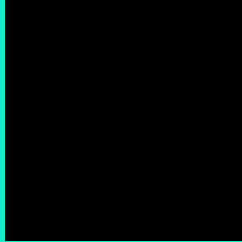
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

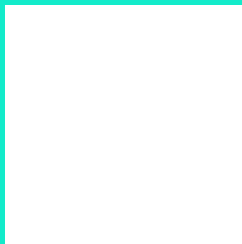
Any Text WCAG AAA ✓ Pass

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

# YIQ 166.6540, -118.1430, -56.0550 Background



This preview shows how black text looks on a background with the YIQ color 166.6540, -118.1430, -56.0550.



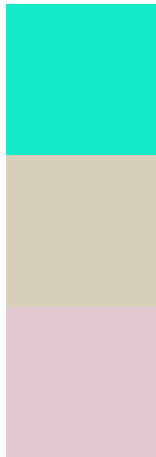
This preview shows how white text looks on a background with the YIQ color 166.6540, -118.1430, -56.0550.

-56.0550.

# 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

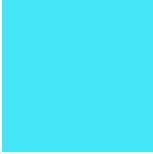
166.6540, -118.1430, -56.0550

### Protanopia

207.4110, 11.7840, -4.3120

### Deuteranopia

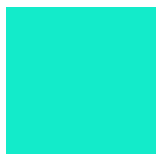
209.3870, 12.3320, 7.7880



## **Tritanopia**

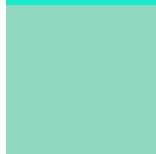
182.6140, -102.3300, -28.7460

# Trichromacy



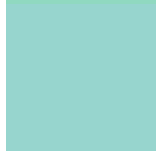
## Original Color

166.6540, -118.1430, -56.0550



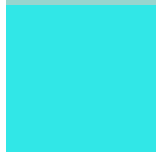
## Protanomaly

192.3230, -35.4830, -23.2510



## Deuteranomaly

193.6640, -34.7050, -15.3210



## Tritanomaly

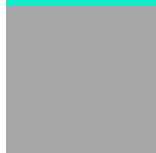
176.5820, -108.4720, -38.5840

# Monochromacy



## Original Color

166.6540, -118.1430, -56.0550



## Achromatopsia

167.0000, -0.0000, -0.0000



## Achromatomaly

167.0110, -43.2320, -20.4800

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 166.6540, -118.1430, -56.0550 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(19, 235, 202)` looks like.

```
.text, #text, p{  
    color:rgb(19, 235, 202)  
}
```

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(19, 235, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 235, 202) }
```

## Border

The CSS property to change the border of an element to YIQ 166.6540, -118.1430, -56.0550 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(19, 235, 202) }
```



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

```
.border{ border-color:rgb(19, 235, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 235, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 235, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 235, 202);  
box-shadow:4px 4px 4px 4px rgb(19, 235,  
202) }
```

# Background

The CSS property to change the background color of an element to YIQ 166.6540, -118.1430, -56.0550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 235, 202) }
```

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

```
.background{ background-color: rgb(19, 235,  
202) }
```

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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