

# Converting Colors

YIQ(154.4260, -72.8020,  
-35.2500)

Have a look what the booklet for  
YIQ(154.4260, -72.8020, -35.2500)  
contains.

<b>YIQ(154.4260, -72.8020, -35.2500)</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(154.4260, -72.8020,  
-35.2500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FC5AF
RGB	63, 197, 175
RGB Percent	25%, 77%, 69%
CMY	0.7532, 0.2272, 0.3140
CMYK	0.68, 0.00, 0.11, 0.23
HSL	170°, 54%, 51%
HSV	170°, 68%, 77%
XYZ	29.7546, 44.1045, 47.4665
YIQ	154.4260, -72.8020, -35.2500

# Conversions

## Conversions Part 2

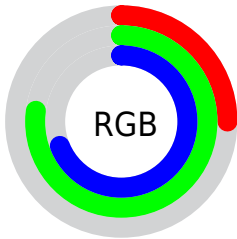
<b>Format</b>	<b>Color</b>
<b>RYB</b>	63, 136, 197
Decimal	4179375
CIELab	72.30, -41.09, 0.59
CIELCh	72, 41.099, 179.178
Yxy	44.1045, 0.2452, 0.3635
Android (android.graphics.Color)	4282369455 (0xFF3FC5AF)
YUV	154.4260, 10.1430, -80.1806
Hunter-Lab	66.4112, -36.2452, 4.1111

# Details

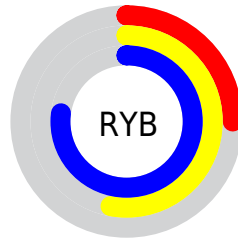
The YIQ color **154.4260, -72.8020, -35.2500** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **105.5740, 72.8020, 35.2500**, and the grayscale version is **154.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **213.2910, -67.9880, -34.3880**, and **97.3760, -78.5330, -36.0130** is the 20% darker color. If you saturate the color by 10%, you get **148.1040, -83.7590, -40.4230**, and if you desaturate by 10%, it is **160.7480, -61.8450, -30.0770**.

# Distribution



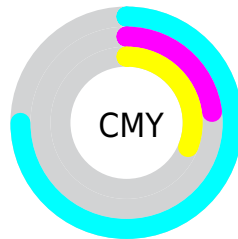
- Red (25%)
- Green (77%)
- Blue (69%)



- Red (25%)
- Yellow (53%)
- Blue (77%)



- Cyan (68%)
- Magenta (0%)
- Yellow (11%)
- Black (23%)



- Cyan (75%)
- Magenta (23%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 154.4260, -72.8020, -35.2500 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 154.4260, -72.8020, -35.2500 by changing the saturation by 10% instead.



■ 154.4260,  
-72.8020, -35.2500

■ 154.4260,  
-72.8020, -35.2500

■ 255.0000, -0.0000,  
-0.0000

■ 119.9620,  
-86.2350, -39.6030

■ 213.2910,  
-67.9880, -34.3880

■ 97.3760, -78.5330,  
-36.0130

■ 225.6980,  
-58.4080, -20.7760

■ 79.2640, -63.3580,  
-30.1900

■ 234.6680,  
-40.5280, -14.4160

■ 61.8530, -48.7790,  
-24.5790

■ 243.6380,  
-22.6480, -8.0560

■ 44.6700, -34.8420,  
-18.3460

■ 252.6080, -4.7680,  
-1.6960

■ 29.2480, -21.7300,  
-13.6820

■ 9.6030, -6.3720,

-5.6680

■ 0.0000, 0.0000,  
0.0000

■ 154.4260,  
-72.8020, -35.2500

■ 154.4260,  
-72.8020, -35.2500

■ 148.1040,  
-83.7590, -40.4230

■ 160.7480,  
-61.8450, -30.0770

■ 141.9670,  
-93.7990, -45.6950

■ 166.7710,  
-51.4840, -25.1160

■ 135.6450,  
-104.7560, -50.8680

■ 173.2070,  
-40.8480, -19.6320

■ 134.4490,  
-107.1400, -51.7160

■ 179.5290,  
-29.8910, -14.4590

■ 185.5520,  
-19.5300, -9.4980

■ 191.8740, -8.5730,  
-4.3250

■ 198.3100, 2.0630,  
1.1590

■ 204.6320, 13.0200,  
6.3320

■ 210.6550, 23.3810,  
11.2930

# Harmonies

## Analogous

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



165.1910, -26.7240, -33.3160



154.4260, -72.8020, -35.2500



139.3340, -122.2730, -36.2650

# Triad

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



154.4260, -72.8020, -35.2500



180.1380, -16.9230, 25.8690



177.4580, 57.1280, -0.0880

# Complementary

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



154.4260, -72.8020, -35.2500



105.5740, 72.8020, 35.2500

# 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.



179.3900, 60.9760, 18.2880



154.4260, -72.8020, -35.2500



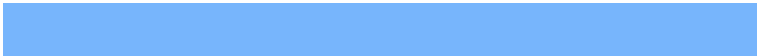
182.2860, 20.9470, 33.3870

# Square

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



154.4260, -72.8020, -35.2500



170.5560, -59.7430, 8.9370



181.2490, 48.7320, 30.9400



174.6370, 39.8460, -17.2900



# Rectangle

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



154.4260, -72.8020, -35.2500



139.8530, -127.8680, -28.4760



181.2490, 48.7320, 30.9400



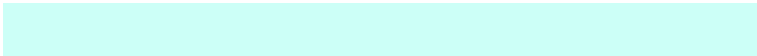
177.8270, 60.7030, 6.7110

# Sweetspot

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



154.4260, -72.8020, -35.2500



238.8390, -27.8280, -13.3000



148.2360, -23.7380, -65.4180



118.0470, -16.5500, -8.4380



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.



154.4260, -72.8020, -35.2500



188.6330, -113.6500, -54.8820



130.5190, -67.4890, -4.8730



96.1950, -5.0430, -2.2190



111.1850, -88.4810, -42.9530



24.5520, -19.5300, -9.4980



# Inverse Universe

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



105.5740, 72.8020, 35.2500



112.3670, 113.6500, 54.8820



129.4810, 67.4890, 4.8730



92.8050, 5.0430, 2.2190



51.8150, 88.4810, 42.9530

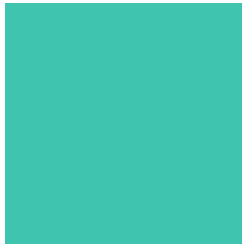


11.4480, 19.5300, 9.4980



# Previews

## White Background



This preview shows how the YIQ color 154.4260, -72.8020, -35.2500 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 154.4260, -72.8020, -35.2500 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

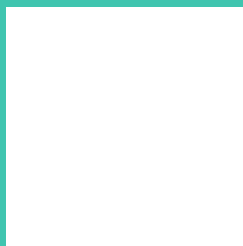
Any Text WCAG AAA ✓ Pass

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

# YIQ 154.4260, -72.8020, -35.2500 Background



This preview shows how black text looks on a background with the YIQ color 154.4260, -72.8020, -35.2500.



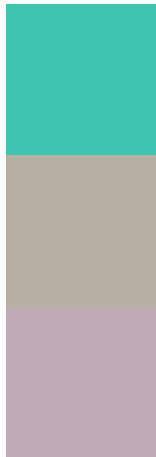
This preview shows how white text looks on a background with the YIQ color 154.4260, -72.8020, -35.2500.

-35.2500.

# 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

154.4260, -72.8020, -35.2500

### Protanopia

175.7250, 8.0240, -2.2480

### Deuteranopia

178.1200, 8.7100, 7.3500



## Tritanopia

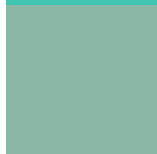
160.0370, -72.4840, -18.9800

# Trichromacy



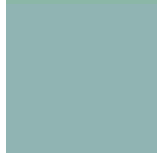
## Original Color

154.4260, -72.8020, -35.2500



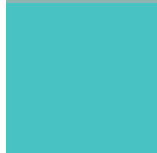
## Protanomaly

168.0200, -21.0880, -14.3040



## Deuteranomaly

169.1220, -21.1350, -7.9430



## Tritanomaly

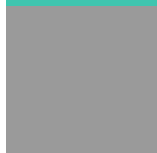
158.0490, -72.7580, -25.0300

# Monochromacy



## Original Color

154.4260, -72.8020, -35.2500



## Achromatopsia

154.0000, -0.0000, -0.0000



## Achromatomaly

154.4370, -26.6360, -12.8760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 154.4260, -72.8020, -35.2500 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(63, 197, 175)` looks like.

```
.text, #text, p{  
    color:rgb(63, 197, 175)  
}
```

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(63, 197, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 197, 175) }
```

## Border

The CSS property to change the border of an element to YIQ 154.4260, -72.8020, -35.2500 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(63, 197, 175) }
```



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

```
.border{ border-color:rgb(63, 197, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 197, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(63, 197, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(63, 197, 175); box-shadow:4px 4px 4px 4px rgb(63, 197, 175) }
```

# Background

The CSS property to change the background color of an element to YIQ 154.4260, -72.8020, -35.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 197, 175) }
```

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

```
.background{ background-color: rgb(63, 197,  
175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor