

# Converting Colors

YIQ(149.6610, -92.5170,  
-35.8850)

Have a look what the booklet for  
YIQ(149.6610, -92.5170, -35.8850)  
contains.

<b>YIQ(149.6610, -92.5170, -35.8850)</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(149.6610, -92.5170,  
-35.8850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27C6BF
RGB	39, 198, 191
RGB Percent	15%, 78%, 75%
CMY	0.8474, 0.2233, 0.2513
CMYK	0.80, 0.00, 0.04, 0.22
HSL	177°, 67%, 46%
HSV	177°, 80%, 78%
XYZ	30.4362, 44.6057, 56.2426
YIQ	149.6610, -92.5170, -35.8850

# Conversions

## Conversions Part 2

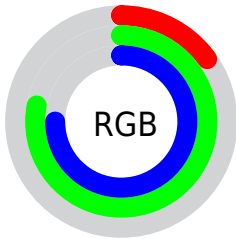
<b>Format</b>	<b>Color</b>
<b>RYB</b>	39, 120, 198
Decimal	2606783
CIELab	72.63, -39.96, -7.66
CIELCh	73, 40.685, 190.850
Yxy	44.6057, 0.2318, 0.3398
Android (android.graphics.Color)	4280796863 (0xFF27C6BF)
YUV	149.6610, 20.3801, -97.0497
Hunter-Lab	66.7875, -35.5326, -3.1776

# Details

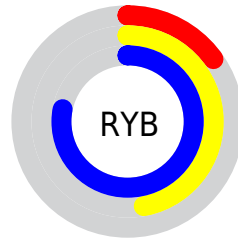
The YIQ color **149.6610, -92.5170, -35.8850** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **87.3390, 92.5170, 35.8850**, and the grayscale version is **150.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **212.2280, -80.8720, -32.1680**, and **99.6730, -83.6230, -31.8710** is the 20% darker color. If you saturate the color by 10%, you get **143.5670, -104.1160, -40.4360**, and if you desaturate by 10%, it is **155.7550, -80.9180, -31.3340**.

# Distribution



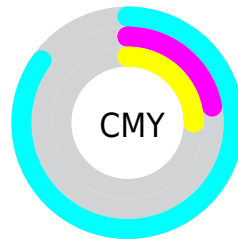
- Red (15%)
- Green (78%)
- Blue (75%)



- Red (15%)
- Yellow (47%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)



- Cyan (85%)
- Magenta (22%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 149.6610, -92.5170, -35.8850 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 149.6610, -92.5170, -35.8850 by changing the saturation by 10% instead.



■ 149.6610,  
-92.5170, -35.8850

■ 149.6610,  
-92.5170, -35.8850

■ 255.0000, -0.0000,  
-0.0000

■ 118.4860,  
-99.3940, -37.9060

■ 212.2280,  
-80.8720, -32.1680

■ 99.6730, -83.6230,  
-31.8710

■ 222.4090,  
-64.9640, -23.1080

■ 81.4470, -68.1270,  
-26.3590

■ 231.6780,  
-46.4880, -16.5360

■ 64.0360, -53.5480,  
-20.7480

■ 240.9470,  
-28.0120, -9.9640

■ 46.7390, -39.2900,  
-14.8260

■ 250.2160, -9.5360,  
-3.3920

■ 31.3170, -26.1780,  
-10.1620

■ 12.6010, -12.0580,

-1.7380

■ 0.0000, 0.0000,  
0.0000

■ 149.6610,  
-92.5170, -35.8850

■ 149.6610,  
-92.5170, -35.8850

■ 143.5670,  
-104.1160, -40.4360

■ 155.7550,  
-80.9180, -31.3340

■ 137.7720,  
-115.1190, -44.7750

■ 161.8490,  
-69.3190, -26.7830

■ 167.6440,  
-58.3160, -22.4440

■ 173.6240,  
-46.3960, -18.2040

■ 179.7180,  
-34.7970, -13.6530

■ 185.8120,  
-23.1980, -9.1020

■ 191.9060,  
-11.5990, -4.5510

■ 197.7010, -0.5960,  
-0.2120

■ 203.7950, 11.0030,  
4.3390

# Harmonies

## Analogous

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



162.6930, -42.8170, -33.5130



149.6610, -92.5170, -35.8850



140.8160, -126.4460, -32.2220

# Triad

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



149.6610, -92.5170, -35.8850



182.8580, -1.3350, 29.7130



177.6050, 52.0400, -7.0000

# Complementary

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



149.6610, -92.5170, -35.8850



87.3390, 92.5170, 35.8850

# 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.



179.1740, 61.3440, 11.6160



149.6610, -92.5170, -35.8850



182.6310, 33.0970, 33.4570

# Square

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



149.6610, -92.5170, -35.8850



176.1670, -42.2300, 16.4420



181.1370, 54.7390, 26.6990



174.0270, 29.7600, -21.7280



# Rectangle

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



149.6610, -92.5170, -35.8850



155.2420, -100.6820, -14.5540



181.1370, 54.7390, 26.6990



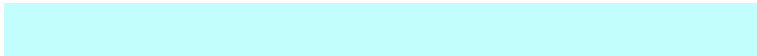
178.0450, 56.8530, -0.6110

# Sweetspot

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



149.6610, -92.5170, -35.8850



236.4190, -35.3930, -13.8650



134.7250, -38.9570, -81.4610



116.7090, -21.4100, -8.4660



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.



149.6610, -92.5170, -35.8850



180.4910, -142.4890, -55.3610



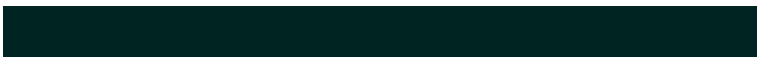
108.1950, -74.9640, 3.9480



96.3090, -5.3640, -1.9080



113.4650, -94.9010, -36.7330



25.0080, -20.8140, -8.2540



# Inverse Universe

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



87.3390, 92.5170, 35.8850



84.5090, 142.4890, 55.3610



128.8050, 74.9640, -3.9480



92.6910, 5.3640, 1.9080



49.5350, 94.9010, 36.7330



10.9920, 20.8140, 8.2540



# Previews

## White Background



This preview shows how the YIQ color 149.6610, -92.5170, -35.8850 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 149.6610, -92.5170, -35.8850 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

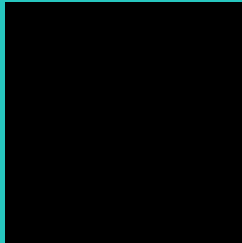
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

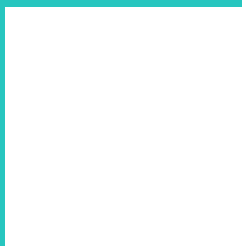
Any Text WCAG AAA ✓ Pass

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

# YIQ 149.6610, -92.5170, -35.8850 Background



This preview shows how black text looks on a background with the YIQ color 149.6610, -92.5170, -35.8850.



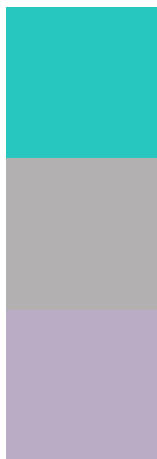
This preview shows how white text looks on a background with the YIQ color 149.6610, -92.5170, -35.8850.

-35.8850.

# 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

149.6610, -92.5170, -35.8850

### Protanopia

177.1250, 1.1460, 1.2580

### Deuteranopia

178.7370, -0.2770, 10.5310



## Tritanopia

154.9640, -88.5760, -24.7040

# Trichromacy



## Original Color

149.6610, -92.5170, -35.8850



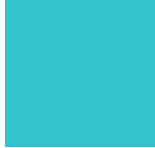
## Protanomaly

167.1420, -33.0550, -12.1830



## Deuteranomaly

167.9450, -33.6980, -6.0340



## Tritanomaly

152.9590, -90.1800, -28.6760

# Monochromacy



## Original Color

149.6610, -92.5170, -35.8850



## Achromatopsia

150.0000, -0.0000, -0.0000



## Achromatomaly

149.7290, -33.3300, -12.7060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 149.6610, -92.5170, -35.8850 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(39, 198, 191)` looks like.

```
.text, #text, p{  
    color:rgb(39, 198, 191)  
}
```

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(39, 198, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 198, 191) }
```

## Border

The CSS property to change the border of an element to YIQ 149.6610, -92.5170, -35.8850 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(39, 198, 191) }
```



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

```
.border{ border-color:rgb(39, 198, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 198, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 198, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 198, 191);  
box-shadow:4px 4px 4px 4px rgb(39, 198,  
191) }
```

# Background

The CSS property to change the background color of an element to YIQ 149.6610, -92.5170, -35.8850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 198, 191) }
```

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

```
.background{ background-color: rgb(39, 198,  
191) }
```

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