

Converting Colors

YIQ(149.9090, -78.7160,
-38.2040)

Have a look what the booklet for
YIQ(149.9090, -78.7160, -38.2040)
contains.

YIQ(149.9090, -78.7160, -38.2040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(149.9090, -78.7160,
-38.2040)**

Conversions

Conversions Part 1

Format	Color
Hex	33C4AC
RGB	51, 196, 172
RGB Percent	20%, 77%, 67%
CMY	0.8003, 0.2311, 0.3258
CMYK	0.74, 0.00, 0.12, 0.23
HSL	170°, 59%, 48%
HSV	170°, 74%, 77%
XYZ	28.5535, 43.1844, 45.8225
YIQ	149.9090, -78.7160, -38.2040

Conversions

Conversions Part 2

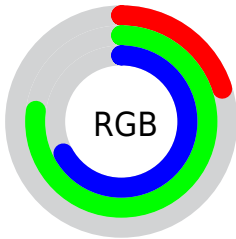
Format	Color
RYB	51, 130, 196
Decimal	3392684
CIELab	71.68, -43.06, 1.29
CIELCh	72, 43.080, 178.278
Yxy	43.1844, 0.2429, 0.3673
Android (android.graphics.Color)	4281582764 (0xFF33C4AC)
YUV	149.9090, 10.8909, -86.7432
Hunter-Lab	65.7149, -37.4417, 4.6579

Details

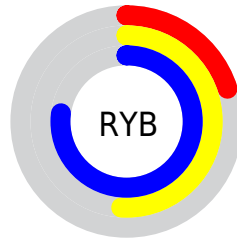
The YIQ color **149.9090, -78.7160, -38.2040** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **97.0910, 78.7160, 38.2040**, and the grayscale version is **150.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **209.9700, -71.5180, -36.4940**, and **96.4470, -77.2950, -36.4230** is the 20% darker color. If you saturate the color by 10%, you get **143.5870, -89.6730, -43.3770**, and if you desaturate by 10%, it is **156.2310, -67.7590, -33.0310**.

Distribution



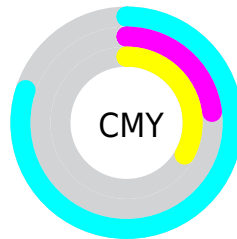
- Red (20%)
- Green (77%)
- Blue (67%)



- Red (20%)
- Yellow (51%)
- Blue (77%)



- Cyan (74%)
- Magenta (0%)
- Yellow (12%)
- Black (23%)



- Cyan (80%)
- Magenta (23%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 149.9090, -78.7160, -38.2040 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 149.9090, -78.7160, -38.2040 by changing the saturation by 10% instead.

■ 149.9090,
-78.7160, -38.2040

■ 149.9090,
-78.7160, -38.2040

■ 255.0000, -0.0000,
-0.0000

■ 115.1460,
-92.7450, -42.7690

■ 209.9700,
-71.5180, -36.4940

■ 96.4470, -77.2950,
-36.4230

■ 223.6050,
-62.5800, -22.2600

■ 78.3350, -62.1200,
-30.6000

■ 232.5750,
-44.7000, -15.9000

■ 60.9240, -47.5410,
-24.9890

■ 241.5450,
-26.8200, -9.5400

■ 43.7410, -33.6040,
-18.7560

■ 250.8140, -8.3440,
-2.9680

■ 28.4330, -20.8130,
-13.7810

■ 7.3860, -4.2630,

-5.3430

■ 0.0000, 0.0000,
0.0000

■ 149.9090,
-78.7160, -38.2040

■ 149.9090,
-78.7160, -38.2040

■ 143.5870,
-89.6730, -43.3770

■ 156.2310,
-67.7590, -33.0310

■ 137.4500,
-99.7130, -48.6490

■ 162.2540,
-57.3980, -28.0700

■ 133.6340,
-106.2230, -51.8150

■ 168.6900,
-46.7620, -22.5860

■ 174.7130,
-36.4010, -17.6250

■ 181.0350,
-25.4440, -12.4520

■ 187.3570,
-14.4870, -7.2790

■ 193.4940, -4.4470,
-2.0070

■ 199.8160, 6.5100,
3.1660

■ 205.8390, 16.8710,
8.1270

Harmonies

Analogous

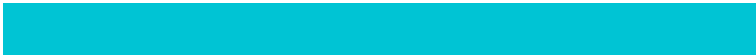
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



162.2510, -26.9530, -34.6730



149.9090, -78.7160, -38.2040



139.2200, -121.9520, -36.5760

Triad

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



149.9090, -78.7160, -38.2040



177.9960, -19.3990, 26.6890



175.5400, 59.8330, 0.4490

Complementary

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



149.9090, -78.7160, -38.2040



97.0910, 78.7160, 38.2040

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.



176.9990, 63.6350, 19.6590



149.9090, -78.7160, -38.2040



180.7530, 21.1300, 35.5780

Square

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



149.9090, -78.7160, -38.2040



167.5060, -65.4740, 8.1740



178.7870, 50.1530, 32.7210



173.1920, 42.5970, -17.5870

Rectangle

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



149.9090, -78.7160, -38.2040



139.8530, -127.8680, -28.4760



178.7870, 50.1530, 32.7210



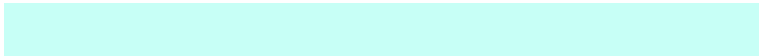
176.0230, 63.0870, 7.5590

Sweetspot

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



149.9090, -78.7160, -38.2040



237.2300, -30.4870, -14.6710



143.2910, -25.5710, -70.7470



117.1500, -18.3380, -9.0740



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.



149.9090, -78.7160, -38.2040



182.7950, -123.0940, -59.9420



124.4690, -73.2200, -5.6360



93.7820, -5.3180, -2.7420



109.7830, -87.2890, -42.5290



22.5630, -18.0630, -8.5510

Inverse Universe

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



97.0910, 78.7160, 38.2040



100.2050, 123.0940, 59.9420



122.5310, 73.2200, 5.6360



90.2180, 5.3180, 2.7420



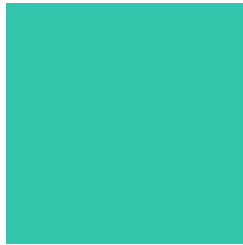
51.2170, 87.2890, 42.5290



10.5510, 17.7420, 8.8620

Previews

White Background



This preview shows how the YIQ color 149.9090, -78.7160, -38.2040 looks on a white background.

Color Contrast Check

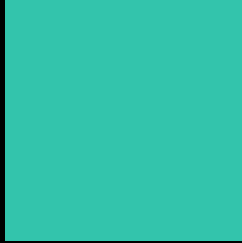
Large Text (above 18pt) WCAG AA × Fail

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 149.9090, -78.7160, -38.2040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

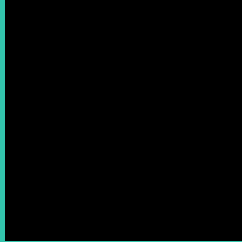
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

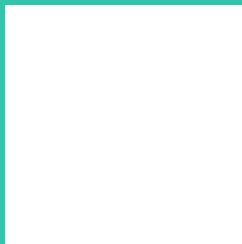
Any Text WCAG AAA ✓ Pass

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

YIQ 149.9090, -78.7160, -38.2040 Background



This preview shows how black text looks on a background with the YIQ color 149.9090, -78.7160, -38.2040.



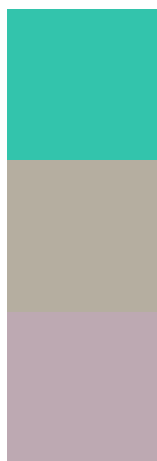
This preview shows how white text looks on a background with the YIQ color 149.9090, -78.7160, -38.2040.

-38.2040.

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

149.9090, -78.7160, -38.2040

Protanopia

174.4970, 8.6660, -2.8700

Deuteranopia

176.0060, 9.0310, 7.0390



Tritanopia

156.9440, -76.6560, -20.4640

Trichromacy



Original Color

149.9090, -78.7160, -38.2040



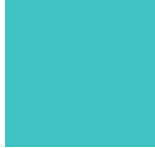
Protanomaly

165.5960, -22.8300, -15.7740



Deuteranomaly

166.6980, -22.8770, -9.4130



Tritanomaly

154.5430, -77.2050, -27.0370

Monochromacy



Original Color

149.9090, -78.7160, -38.2040



Achromatopsia

150.0000, -0.0000, -0.0000



Achromatomaly

150.1270, -28.6990, -14.0350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 149.9090, -78.7160, -38.2040 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(51, 196, 172)` looks like.

```
.text, #text, p{  
    color:rgb(51, 196, 172)  
}
```

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(51, 196, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 196, 172) }
```

Border

The CSS property to change the border of an element to YIQ 149.9090, -78.7160, -38.2040 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(51, 196, 172) }
```


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

```
.border{ border-color:rgb(51, 196, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 196, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 196, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 196, 172);  
box-shadow:4px 4px 4px 4px rgb(51, 196,  
172) }
```

Background

The CSS property to change the background color of an element to YIQ 149.9090, -78.7160, -38.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 196, 172) }
```

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

```
.background{ background-color: rgb(51, 196,  
172) }
```

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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