

Converting Colors

YIQ(159.7450, -66.9310,
-48.0430)

Have a look what the booklet for
YIQ(159.7450, -66.9310, -48.0430)
contains.

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Color

**YIQ(159.7450, -66.9310,
-48.0430)**

Conversions

Conversions Part 1

Format	Color
Hex	42D198
RGB	66, 209, 152
RGB Percent	26%, 82%, 60%
CMY	0.7415, 0.1801, 0.4041
CMYK	0.68, 0.00, 0.27, 0.18
HSL	156°, 61%, 54%
HSV	156°, 68%, 82%
XYZ	30.7184, 49.0504, 37.5302
YIQ	159.7450, -66.9310, -48.0430

Conversions

Conversions Part 2

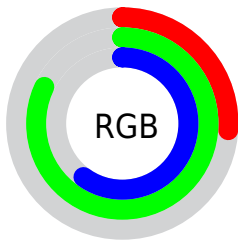
Format	Color
RYB	66, 155, 209
Decimal	4379032
CIELab	75.48, -51.19, 17.50
CIELCh	75, 54.102, 161.127
Yxy	49.0504, 0.2619, 0.4182
Android (android.graphics.Color)	4282569112 (0xFF42D198)
YUV	159.7450, -3.8183, -82.2144
Hunter-Lab	70.0360, -44.2715, 17.2535

Details

The YIQ color **159.7450, -66.9310, -48.0430** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **115.2550, 66.9310, 48.0430**, and the grayscale version is **160.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **212.0390, -58.7710, -41.7390**, and **101.3250, -74.4960, -48.6080** is the 20% darker color. If you saturate the color by 10%, you get **152.5540, -76.8790, -54.9830**, and if you desaturate by 10%, it is **166.9360, -56.9830, -41.1030**.

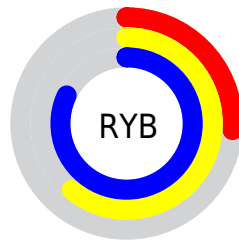
Distribution



Red (26%)

Green (82%)

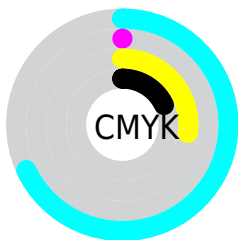
Blue (60%)



Red (26%)

Yellow (61%)

Blue (82%)

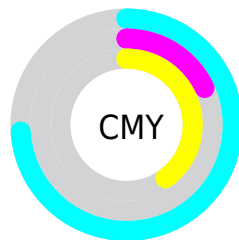


Cyan (68%)

Magenta (0%)

Yellow (27%)

Black (18%)



Cyan (74%)

Magenta (18%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 159.7450, -66.9310, -48.0430 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 159.7450, -66.9310, -48.0430 by changing the saturation by 10% instead.

■ 159.7450,
-66.9310, -48.0430

■ 159.7450,
-66.9310, -48.0430

■ 255.0000, -0.0000,
-0.0000

■ 126.2920,
-78.8970, -51.4490

■ 212.0390,
-58.7710, -41.7390

■ 101.3250,
-74.4960, -48.6080

■ 224.3150,
-50.2000, -26.3600

■ 83.3270, -59.6420,
-42.4740

■ 235.5650,
-38.7400, -13.7800

■ 65.4430, -45.1090,
-36.0290

■ 244.5350,
-20.8600, -7.4200

■ 48.2600, -31.1720,
-29.7960

■ 253.8040, -2.3840,
-0.8480

■ 31.6640, -17.5100,
-24.0860

■ 16.4360, -7.7000,

-14.6440

■ 0.0000, 0.0000,
0.0000

■ 159.7450,
-66.9310, -48.0430

■ 159.7450,
-66.9310, -48.0430

■ 152.5540,
-76.8790, -54.9830

■ 166.9360,
-56.9830, -41.1030

■ 145.2490,
-86.5060, -62.2340

■ 174.2410,
-47.3560, -33.8520

■ 138.0580,
-96.4540, -69.1740

■ 181.4320,
-37.4080, -26.9120

■ 137.0470,
-97.9210, -70.1210

■ 188.6230,
-27.4600, -19.9720

■ 195.6290,
-18.4290, -12.9330

■ 202.8200, -8.4810,
-5.9930

■ 210.0110, 1.4670,
0.9470

■ 217.3160, 11.0940,
8.1980

■ 224.5070, 21.0420,
15.1380

Harmonies

Analogous

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



173.6430, -4.9900, -41.7420



159.7450, -66.9310, -48.0430



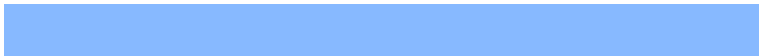
147.1130, -123.5090, -46.9090

Triad

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



159.7450, -66.9310, -48.0430



178.0300, -52.2700, 11.1700



180.6650, 70.1470, 11.7710

Complementary

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



159.7450, -66.9310, -48.0430



115.2550, 66.9310, 48.0430

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.



180.0390, 58.1310, 31.3070



159.7450, -66.9310, -48.0430



190.4980, 0.0390, 37.8550

Square

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



159.7450, -66.9310, -48.0430



146.4700, -136.8550, -25.2950



188.6740, 40.7060, 44.2420



183.6960, 67.7210, -10.3510

Rectangle

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



159.7450, -66.9310, -48.0430



150.1740, -133.5060, -36.4340



188.6740, 40.7060, 44.2420



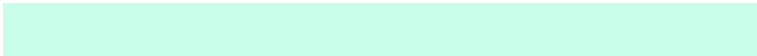
179.3260, 67.0280, 18.7400

Sweetspot

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



159.7450, -66.9310, -48.0430



236.4600, -25.4430, -17.9790



166.9840, -5.3530, -62.7050



116.9500, -14.8990, -10.8270



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.



159.7450, -66.9310, -48.0430



183.0470, -97.9210, -70.1210



158.0250, -81.3780, -22.9940



101.1410, -4.9510, -3.8870



110.1300, -78.6210, -56.4530



26.9170, -19.3000, -13.6680

Inverse Universe

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



115.2550, 66.9310, 48.0430



117.9530, 97.9210, 70.1210



116.9750, 81.3780, 22.9940



97.7450, 5.2720, 3.5760



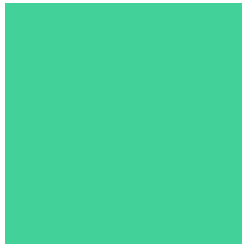
57.8700, 78.6210, 56.4530



14.0830, 19.3000, 13.6680

Previews

White Background



This preview shows how the YIQ color 159.7450, -66.9310, -48.0430 looks on a white background.

Color Contrast Check

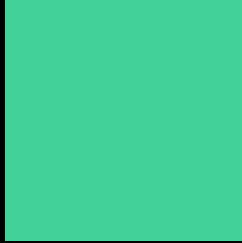
Large Text (above 18pt) WCAG AA × Fail

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 159.7450, -66.9310, -48.0430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

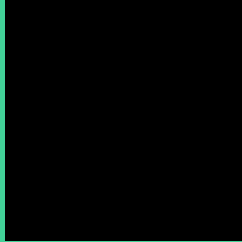
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

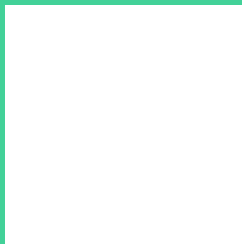
Any Text WCAG AAA ✓ Pass

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

YIQ 159.7450, -66.9310, -48.0430 Background



This preview shows how black text looks on a background with the YIQ color 159.7450, -66.9310, -48.0430.

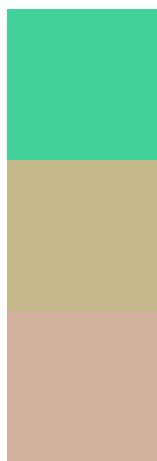


This preview shows how white text looks on a background with the YIQ color 159.7450, -66.9310, -48.0430.

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

159.7450, -66.9310, -48.0430

Protanopia

182.8710, 21.8720, -10.9280

Deuteranopia

185.7010, 25.7670, 1.0870



Tritanopia

170.2330, -70.1000, -18.1320

Trichromacy



Original Color

159.7450, -66.9310, -48.0430



Protanomaly

174.2580, -10.4950, -24.5670



Deuteranomaly

175.9690, -7.8830, -16.8350



Tritanomaly

166.5670, -68.5850, -29.0730

Monochromacy



Original Color

159.7450, -66.9310, -48.0430



Achromatopsia

160.0000, 0.0000, -0.0000



Achromatomaly

160.0580, -24.2510, -17.5550

CSS Examples

Text

The CSS property to change the color of the text to YIQ 159.7450, -66.9310, -48.0430 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(66, 209, 152)` looks like.

```
.text, #text, p{  
    color:rgb(66, 209, 152)  
}
```

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(66, 209, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 209, 152) }
```

Border

The CSS property to change the border of an element to YIQ 159.7450, -66.9310, -48.0430 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(66, 209, 152) }
```


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

```
.border{ border-color:rgb(66, 209, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 209, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 209, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 209, 152);  
box-shadow:4px 4px 4px 4px rgb(66, 209,  
152) }
```

Background

The CSS property to change the background color of an element to YIQ 159.7450, -66.9310, -48.0430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 209, 152) }
```

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

```
.background{ background-color: rgb(66, 209,  
152) }
```

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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