

# Converting Colors

YIQ(175.2470, -83.0240,  
-48.2400)

Have a look what the booklet for  
YIQ(175.2470, -83.0240, -48.2400)  
contains.

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# Color

**YIQ(175.2470, -83.0240,  
-48.2400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42E5B9
RGB	66, 229, 185
RGB Percent	26%, 90%, 73%
CMY	0.7416, 0.1017, 0.2748
CMYK	0.71, 0.00, 0.19, 0.10
HSL	164°, 76%, 58%
HSV	164°, 71%, 90%
XYZ	39.0269, 60.7307, 55.5225
YIQ	175.2470, -83.0240, -48.2400

# Conversions

## Conversions Part 2

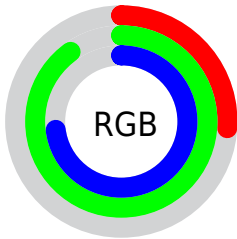
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 160, 229
Decimal	4384185
CIELab	82.23, -51.79, 9.58
CIELCh	82, 52.670, 169.515
Yxy	60.7307, 0.2513, 0.3911
Android (android.graphics.Color)	4282574265 (0xFF42E5B9)
YUV	175.2470, 4.8082, -95.8096
Hunter-Lab	77.9299, -46.9854, 12.3087

# Details

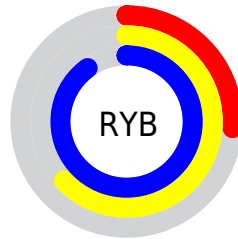
The YIQ color **175.2470, -83.0240, -48.2400** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **119.7530, 83.0240, 48.2400**, and the grayscale version is **175.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **217.2250, -67.6220, -30.0060**, and **116.0120, -89.6720, -48.9040** is the 20% darker color. If you saturate the color by 10%, you get **167.6860, -94.8060, -54.9820**, and if you desaturate by 10%, it is **182.8080, -71.2420, -41.4980**.

# Distribution



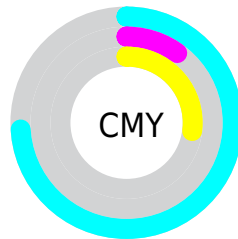
- Red (26%)
- Green (90%)
- Blue (73%)



- Red (26%)
- Yellow (63%)
- Blue (90%)



- Cyan (71%)
- Magenta (0%)
- Yellow (19%)
- Black (10%)



- Cyan (74%)
- Magenta (10%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 175.2470, -83.0240, -48.2400 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 175.2470, -83.0240, -48.2400 by changing the saturation by 10% instead.



■ 175.2470,  
-83.0240, -48.2400

■ 175.2470,  
-83.0240, -48.2400

■ 255.0000, -0.0000,  
-0.0000

■ 136.0100,  
-104.5260, -55.0380

■ 217.2250,  
-67.6220, -30.0060

■ 116.5990,  
-89.9470, -49.4270

■ 228.0900,  
-53.6400, -19.0800

■ 97.3130, -74.2220,  
-42.5580

■ 237.3590,  
-35.1640, -12.5080

■ 79.2010, -59.0470,  
-36.7350

■ 246.6280,  
-16.6880, -5.9360

■ 61.3170, -44.5140,  
-30.2900

■ 44.2480, -30.8980,  
-23.7460

■ 28.9400, -18.1070,

-18.7710

■ 8.8050, -4.1250,  
-7.8450

■ 0.0000, 0.0000,  
0.0000

■ 175.2470,  
-83.0240, -48.2400

■ 175.2470,  
-83.0240, -48.2400

■ 167.6860,  
-94.8060, -54.9820

■ 182.8080,  
-71.2420, -41.4980

■ 160.1250,  
-106.5880, -61.7240

■ 190.3690,  
-59.4600, -34.7560

■ 153.4610,  
-116.5820, -67.8300

■ 198.0440,  
-47.9990, -27.7030

■ 205.6050,  
-36.2170, -20.9610

■ 212.8670,  
-25.0310, -14.4310

■ 220.4280,  
-13.2490, -7.6890

■ 227.9890, -1.4670,  
-0.9470

■ 235.6640, 9.9940,  
6.1060

■ 238.1420, 11.6440,  
9.2440

# Harmonies

## Analogous

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



190.2870, -18.6070, -42.7590



175.2470, -83.0240, -48.2400



161.9140, -139.0060, -46.8940

# Triad

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



175.2470, -83.0240, -48.2400



199.7140, -27.8330, 14.3350



195.6650, 60.9790, 1.7070

# Complementary

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



175.2470, -83.0240, -48.2400



119.7530, 83.0240, 48.2400

# 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.



193.5230, 50.4760, 21.3560



175.2470, -83.0240, -48.2400



208.5940, 17.3240, 38.4760

# Square

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



175.2470, -83.0240, -48.2400



178.8960, -93.8960, -16.3920



199.2230, 34.4260, 36.9060



201.8860, 61.0740, -16.5420



# Rectangle

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



175.2470, -83.0240, -48.2400



162.9060, -144.5550, -39.9390



199.2230, 34.4260, 36.9060



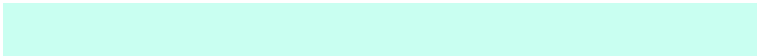
194.2120, 58.1810, 8.3650

# Sweetspot

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



175.2470, -83.0240, -48.2400



237.2580, -27.6900, -15.8020



175.4350, -17.4090, -75.4970



117.4060, -16.1830, -9.5830



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.



175.2470, -83.0240, -48.2400



183.3910, -110.3930, -64.3530



159.7180, -87.5230, -16.2510



111.0700, -6.1890, -3.4770



119.8930, -90.9550, -53.1870



34.1550, -25.9020, -15.1660



# Inverse Universe

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



119.7530, 83.0240, 48.2400



109.6090, 110.3930, 64.3530



135.2820, 87.5230, 16.2510



106.9300, 6.1890, 3.4770



58.9930, 91.2760, 52.8760

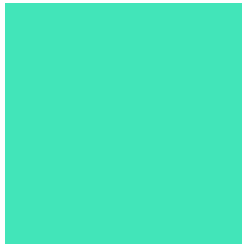


16.8450, 25.9020, 15.1660



# Previews

## White Background



This preview shows how the YIQ color 175.2470, -83.0240, -48.2400 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 175.2470, -83.0240, -48.2400 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

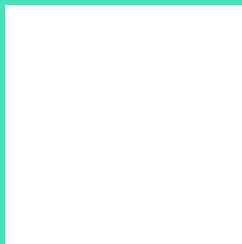
Any Text WCAG AAA ✓ Pass

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

# YIQ 175.2470, -83.0240, -48.2400 Background



This preview shows how black text looks on a background with the YIQ color 175.2470, -83.0240, -48.2400.



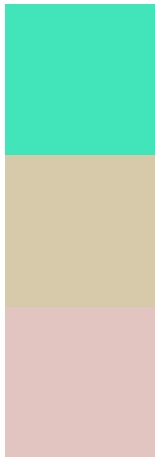
This preview shows how white text looks on a background with the YIQ color 175.2470, -83.0240, -48.2400.

-48.2400.

# 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

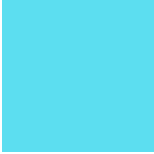
175.2470, -83.0240, -48.2400

### Protanopia

202.0540, 17.1030, -7.0970

### Deuteranopia

204.5140, 19.1640, 5.1160



## **Tritanopia**

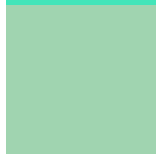
185.1820, -83.2580, -21.9620

# Trichromacy



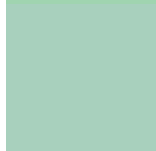
## Original Color

175.2470, -83.0240, -48.2400



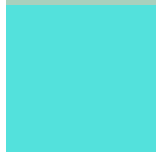
## Protanomaly

192.3480, -19.4360, -22.2200



## Deuteranomaly

193.8740, -17.7410, -14.3890



## Tritanomaly

181.9720, -83.0270, -31.6590

# Monochromacy



## Original Color

175.2470, -83.0240, -48.2400



## Achromatopsia

175.0000, -0.0000, -0.0000



## Achromatomaly

175.2360, -30.6240, -17.6960

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 175.2470, -83.0240, -48.2400 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, 229, 185)` looks like.

```
.text, #text, p{  
    color:rgb(66, 229, 185)  
}
```

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, 229, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 229, 185) }
```

## Border

The CSS property to change the border of an element to YIQ 175.2470, -83.0240, -48.2400 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, 229, 185) }
```



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

```
.border{ border-color:rgb(66, 229, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 229, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 229, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 229, 185);  
box-shadow:4px 4px 4px 4px rgb(66, 229,  
185) }
```

# Background

The CSS property to change the background color of an element to YIQ 175.2470, -83.0240, -48.2400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 229, 185) }
```

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

```
.background{ background-color: rgb(66, 229,  
185) }
```

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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