

# Converting Colors

YIQ(180.6160, -43.9180,  
-30.0780)

Have a look what the booklet for  
YIQ(180.6160, -43.9180, -30.0780)  
contains.

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# Color

**YIQ(180.6160, -43.9180,  
-30.0780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78D4B2
RGB	120, 212, 178
RGB Percent	47%, 83%, 70%
CMY	0.5296, 0.1685, 0.3021
CMYK	0.43, 0.00, 0.16, 0.17
HSL	158°, 52%, 65%
HSV	158°, 43%, 83%
XYZ	39.3225, 54.3078, 50.5096
YIQ	180.6160, -43.9180, -30.0780

# Conversions

## Conversions Part 2

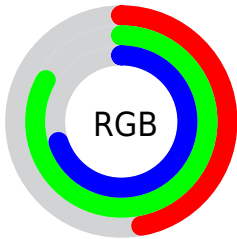
Format	Color
<a href="#">RYB</a>	<a href="#">120, 176, 212</a>
Decimal	<a href="#">7918770</a>
CIELab	<a href="#">78.64, -35.37, 8.35</a>
CIELCh	<a href="#">79, 36.341, 166.714</a>
Yxy	<a href="#">54.3078, 0.2728, 0.3768</a>
Android (android.graphics.Color)	<a href="#">4286108850 (0xFF78D4B2)</a>
YUV	<a href="#">180.6160, -1.2897, -53.1602</a>
Hunter-Lab	<a href="#">73.6938, -33.7179, 10.9485</a>

# Details

The YIQ color **180.6160, -43.9180, -30.0780** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **151.3840, 43.9180, 30.0780**, and the grayscale version is **181.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **228.9850, -40.3430, -23.2790**, and **125.5450, -45.1560, -29.6680** is the 20% darker color. If you saturate the color by 10%, you get **173.4250, -53.8660, -37.0180**, and if you desaturate by 10%, it is **187.8070, -33.9700, -23.1380**.

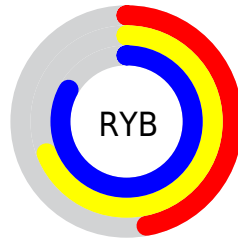
# Distribution



Red (47%)

Green (83%)

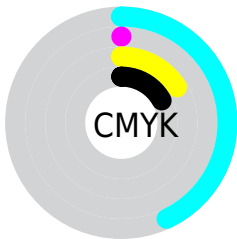
Blue (70%)



Red (47%)

Yellow (69%)

Blue (83%)

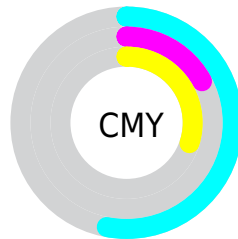


Cyan (43%)

Magenta (0%)

Yellow (16%)

Black (17%)



Cyan (53%)

Magenta (17%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 180.6160, -43.9180, -30.0780 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 180.6160, -43.9180, -30.0780 by changing the saturation by 10% instead.



■ 180.6160,  
-43.9180, -30.0780

■ 180.6160,  
-43.9180, -30.0780

■ 255.0000, -0.0000,  
-0.0000

■ 152.7300,  
-44.2390, -29.7670

■ 228.9850,  
-40.3430, -23.2790

■ 125.5450,  
-45.1560, -29.6680

■ 240.0500,  
-29.8000, -10.6000

■ 97.2780, -48.7780,  
-30.1060

■ 248.7210,  
-12.5160, -4.4520

■ 70.2990, -53.2710,  
-31.2790

■ 53.1160, -39.3340,  
-25.0460

■ 36.5200, -25.6720,  
-19.3360

■ 22.2720, -13.1100,

-15.7180

■ 0.0000, 0.0000,  
0.0000

■ 180.6160,  
-43.9180, -30.0780

■ 180.6160,  
-43.9180, -30.0780

■ 173.4250,  
-53.8660, -37.0180

■ 187.8070,  
-33.9700, -23.1380

■ 166.2340,  
-63.8140, -43.9580

■ 194.9980,  
-24.0220, -16.1980

■ 158.7440,  
-74.3580, -51.1100


■ 202.4880,  
-13.4780, -9.0460


■ 151.6670,  
-84.6270, -57.7390


■ 209.5650, -3.2090,  
-2.4170


■ 144.4760,  
-94.5750, -64.6790

■ 216.7560, 6.7390,  
4.5230

 139.7200,  
-101.3140, -69.2020

 223.9470, 16.6870,  
11.4630

 227.2510, 18.8870,  
15.6470

 228.1630, 16.3190,  
18.1350

 229.0750, 13.7510,  
20.6230

# Harmonies

## Analogous

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



186.1070, -8.7520, -28.6240



180.6160, -43.9180, -30.0780



174.7280, -76.2880, -27.1360

# Triad

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



180.6160, -43.9180, -30.0780



194.4090, -28.2920, 17.1480



196.0160, 55.7970, 7.5170

# Complementary

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



180.6160, -43.9180, -30.0780



151.3840, 43.9180, 30.0780

# 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.



196.2130, 48.4130, 20.1970



180.6160, -43.9180, -30.0780



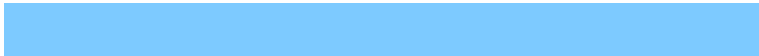
198.9250, 5.7260, 28.3980

# Square

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



180.6160, -43.9180, -30.0780



185.0190, -62.9050, 0.1590



199.7790, 35.4360, 29.6120



193.5440, 44.8420, -8.7100



# Rectangle

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



180.6160, -43.9180, -30.0780



173.8550, -86.6510, -21.0430



199.7790, 35.4360, 29.6120



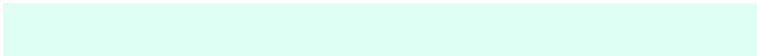
195.5800, 54.3290, 12.0970

# Sweetspot

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



180.6160, -43.9180, -30.0780



243.7650, -15.8160, -10.7280



184.4690, -4.4400, -40.6960



120.8090, -9.9480, -6.9400



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.



180.6160, -43.9180, -30.0780



209.6470, -63.5390, -43.4350



178.0350, -51.8070, -13.7510



103.2550, -5.2720, -3.5760



112.6890, -81.6930, -55.8450



28.3190, -20.4920, -14.0920



# Inverse Universe

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



151.3840, 43.9180, 30.0780



167.3530, 63.5390, 43.4350



153.9650, 51.8070, 13.7510



99.7450, 5.2720, 3.5760



58.3110, 81.6930, 55.8450



14.6810, 20.4920, 14.0920



# Previews

## White Background



This preview shows how the YIQ color 180.6160, -43.9180, -30.0780 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 180.6160, -43.9180, -30.0780 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

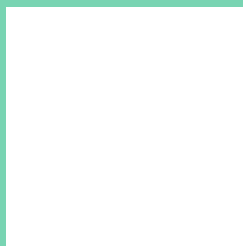
Any Text WCAG AAA ✓ Pass

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

# YIQ 180.6160, -43.9180, -30.0780 Background



This preview shows how black text looks on a background with the YIQ color 180.6160, -43.9180, -30.0780.



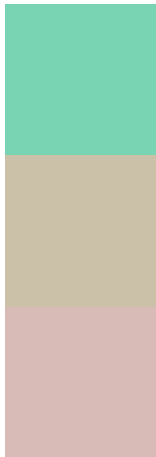
This preview shows how white text looks on a background with the YIQ color 180.6160, -43.9180, -30.0780.

-30.0780.

# 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

180.6160, -43.9180, -30.0780

### Protanopia

193.1400, 13.9850, -5.6550

### Deuteranopia

195.2150, 18.5680, 4.9040



## Tritanopia

185.3990, -49.8360, -10.9240

# Trichromacy



## Original Color

180.6160, -43.9180, -30.0780

## Protanomaly

188.7350, -7.1040, -14.4320

## Deuteranomaly

189.8050, -4.1250, -7.8450

## Tritanomaly

183.5530, -47.6340, -17.7940

# Monochromacy



## Original Color

180.6160, -43.9180, -30.0780

## Achromatopsia

181.0000, -0.0000, 0.0000

## Achromatomaly

180.7650, -15.8160, -10.7280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 180.6160, -43.9180, -30.0780 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(120, 212, 178)` looks like.

```
.text, #text, p{  
    color:rgb(120, 212, 178)  
}
```

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(120, 212, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 212, 178) }
```

## Border

The CSS property to change the border of an element to YIQ 180.6160, -43.9180, -30.0780 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(120, 212, 178) }
```



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

```
.border{ border-color:rgb(120, 212, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 212, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 212, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 212, 178);  
box-shadow:4px 4px 4px 4px rgb(120, 212,  
178) }
```

# Background

The CSS property to change the background color of an element to YIQ 180.6160, -43.9180, -30.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 212, 178) }
```

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

```
.background{ background-color: rgb(120,  
212, 178) }
```

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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