

# Converting Colors

YIQ(202.1750, -46.9900,  
-29.4700)

Have a look what the booklet for  
YIQ(202.1750, -46.9900, -29.4700)  
contains.

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# Color

**YIQ(202.1750, -46.9900,  
-29.4700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BEACC
RGB	139, 234, 204
RGB Percent	55%, 92%, 80%
CMY	0.4551, 0.0822, 0.2002
CMYK	0.41, 0.00, 0.13, 0.08
HSL	161°, 69%, 73%
HSV	161°, 41%, 92%
XYZ	50.9653, 68.7096, 67.6767
YIQ	202.1750, -46.9900, -29.4700

# Conversions

## Conversions Part 2

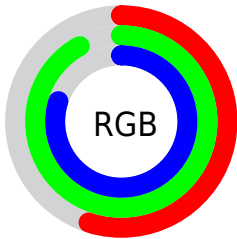
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 195, 234
Decimal	9169612
CIELab	86.36, -35.00, 5.80
CIELCh	86, 35.476, 170.590
Yxy	68.7096, 0.2720, 0.3667
Android (android.graphics.Color)	4287359692 (0xFF8BEACC)
YUV	202.1750, 0.8997, -55.4045
Hunter-Lab	82.8912, -35.3097, 9.6164

# Details

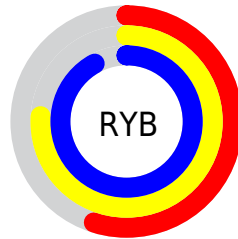
The YIQ color  $202.1750, -46.9900, -29.4700$  is a light color, and the websafe version is hex  $99FFCC$ . A complement of this color would be  $170.8250, 46.9900, 29.4700$ , and the grayscale version is  $202.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $237.3590, -35.1640, -12.5080$ , and  $146.4030, -47.6320, -28.8480$  is the 20% darker color. If you saturate the color by 10%, you get  $194.5000, -58.4510, -36.5230$ , and if you desaturate by 10%, it is  $209.8500, -35.5290, -22.4170$ .

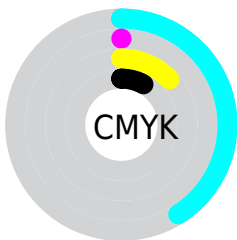
# Distribution



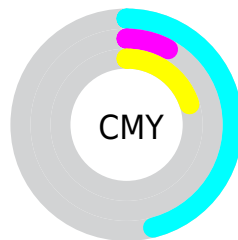
- Red (55%)
- Green (92%)
- Blue (80%)



- Red (55%)
- Yellow (76%)
- Blue (92%)



- Cyan (41%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)



- Cyan (46%)
- Magenta (8%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 202.1750, -46.9900, -29.4700 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 202.1750, -46.9900, -29.4700 by changing the saturation by 10% instead.



■ 202.1750,  
-46.9900, -29.4700

■ 202.1750,  
-46.9900, -29.4700

■ 255.0000, -0.0000,  
-0.0000

■ 174.2890,  
-47.3110, -29.1590

■ 237.3590,  
-35.1640, -12.5080

■ 146.4030,  
-47.6320, -28.8480

■ 246.0300,  
-17.8800, -6.3600

■ 118.6200,  
-49.7410, -29.1730

■ 88.5590, -56.9390,  
-30.8830

■ 66.6630, -51.3000,  
-28.4520

■ 49.4800, -37.3630,  
-22.2190

■ 33.4710, -23.9760,

-17.0320

■ 19.1090, -11.0930,  
-13.7250

■ 0.0000, 0.0000,  
0.0000

■ 202.1750,  
-46.9900, -29.4700

■ 202.1750,  
-46.9900, -29.4700

■ 194.5000,  
-58.4510, -36.5230

■ 209.8500,  
-35.5290, -22.4170

■ 186.4120,  
-70.1870, -44.0990

■ 217.9380,  
-23.7930, -14.8410

■ 178.7370,  
-81.6480, -51.1520

■ 225.6130,  
-12.3320, -7.7880

■ 170.6490,  
-93.3840, -58.7280

■ 233.7010, -0.5960,  
-0.2120

■ 162.9740,  
-104.8450, -65.7810

■ 241.0770, 10.2690,  
6.6290

■ 155.5980,  
-115.7100, -72.6220

■ 241.8750, 8.0220,  
8.8060

■ 242.6730, 5.7750,  
10.9830

# Harmonies

## Analogous

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



207.5410, -12.9700, -29.2740



202.1750, -46.9900, -29.4700



197.7930, -74.9130, -24.5210

# Triad

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



202.1750, -46.9900, -29.4700



214.5210, -17.1040, 12.6240



211.8680, 44.2900, 1.2980

# Complementary

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



202.1750, -46.9900, -29.4700



170.8250, 46.9900, 29.4700

# 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.



211.0650, 36.9060, 13.9780



202.1750, -46.9900, -29.4700



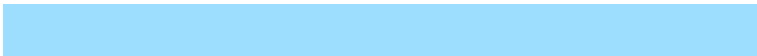
220.9210, 11.5490, 27.4930

# Square

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



202.1750, -46.9900, -29.4700



206.3270, -49.3330, -3.5170



214.9410, 25.9920, 24.5520



215.1200, 43.1000, -10.1800

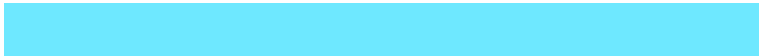


# Rectangle

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



202.1750, -46.9900, -29.4700



198.1440, -80.0950, -18.7110



214.9410, 25.9920, 24.5520



211.1330, 42.2260, 5.6660

# Sweetspot

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



202.1750, -46.9900, -29.4700



244.5910, -15.2660, -9.6820



203.7350, -8.2450, -43.3250



121.9340, -8.8020, -5.6820



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

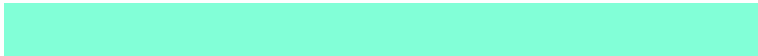


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



202.1750, -46.9900, -29.4700



213.0650, -61.6600, -38.9400



195.6160, -51.9450, -11.2490



113.3690, -5.5930, -3.2650



120.3830, -89.5790, -56.0990



35.9160, -26.7270, -16.7350



# Inverse Universe

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



170.8250, 46.9900, 29.4700



171.9350, 61.6600, 38.9400



177.3840, 51.9450, 11.2490



109.6310, 5.5930, 3.2650



60.6170, 89.5790, 56.0990

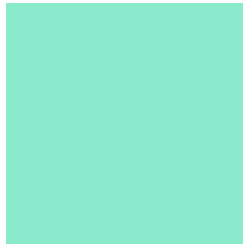


18.0840, 26.7270, 16.7350



# Previews

## White Background



This preview shows how the YIQ color 202.1750, -46.9900, -29.4700 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

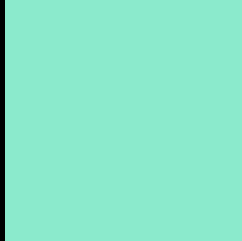
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 202.1750, -46.9900, -29.4700 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

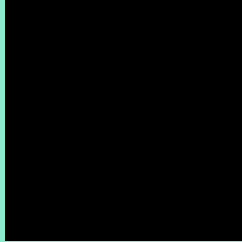
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

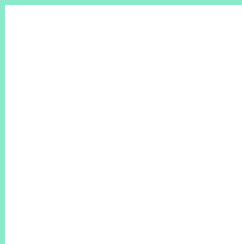
Any Text WCAG AAA ✓ Pass

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

# YIQ 202.1750, -46.9900, -29.4700 Background



This preview shows how black text looks on a background with the YIQ color 202.1750, -46.9900, -29.4700.



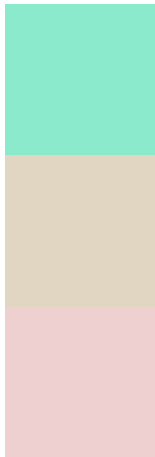
This preview shows how white text looks on a background with the YIQ color 202.1750, -46.9900, -29.4700.

-29.4700.

# 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

202.1750, -46.9900, -29.4700

### Protanopia

214.5960, 12.7010, -4.4110

### Deuteranopia

217.0840, 17.5590, 6.6710



## Tritanopia

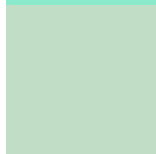
206.7300, -52.2660, -10.9380

# Trichromacy



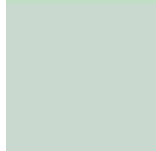
## Original Color

202.1750, -46.9900, -29.4700



## Protanomaly

209.8920, -8.9840, -13.4000



## Deuteranomaly

211.3750, -5.7300, -6.2900



## Tritanomaly

204.9980, -50.3850, -17.4970

# Monochromacy



## Original Color

202.1750, -46.9900, -29.4700



## Achromatopsia

202.0000, -0.0000, 0.0000



## Achromatomaly

202.2810, -17.3290, -10.8410

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 202.1750, -46.9900, -29.4700 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(139, 234, 204)` looks like.

```
.text, #text, p{  
    color:rgb(139, 234, 204)  
}
```

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(139, 234, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 234, 204) }
```

## Border

The CSS property to change the border of an element to YIQ 202.1750, -46.9900, -29.4700 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(139, 234, 204) }
```



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

```
.border{ border-color:rgb(139, 234, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 234, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 234, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 234, 204);  
box-shadow:4px 4px 4px 4px rgb(139, 234,  
204) }
```

# Background

The CSS property to change the background color of an element to YIQ 202.1750, -46.9900, -29.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 234, 204) }
```

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

```
.background{ background-color: rgb(139,  
234, 204) }
```

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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