

# Converting Colors

YIQ(132.0120, -89.6720,  
-48.9040)

Have a look what the booklet for  
YIQ(132.0120, -89.6720, -48.9040)  
contains.

<b>YIQ(132.0120, -89.6720, -48.9040)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(132.0120, -89.6720,  
-48.9040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	10BC94
RGB	16, 188, 148
RGB Percent	6%, 74%, 58%
CMY	0.9376, 0.2625, 0.4199
CMYK	0.92, 0.00, 0.21, 0.26
HSL	166°, 84%, 40%
HSV	166°, 92%, 74%
XYZ	23.5492, 38.2420, 34.1229
YIQ	132.0120, -89.6720, -48.9040

# Conversions

## Conversions Part 2

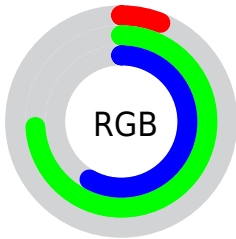
Format	Color
R <sub>Y</sub> B	16, 113, 188
Decimal	1096852
CIE Lab	68.20, -48.89, 9.32
CIE LCh	68, 49.767, 169.206
Yxy	38.2420, 0.2455, 0.3987
Android (android.graphics.Color)	4279286932 (0xFF10BC94)
YUV	132.0120, 7.8821, -101.7425
Hunter-Lab	61.8401, -40.2460, 10.5723

# Details

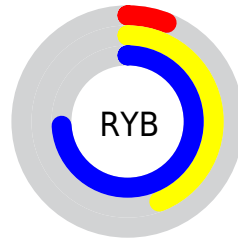
The YIQ color **132.0120, -89.6720, -48.9040** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **71.9880, 89.6720, 48.9040**, and the grayscale version is **132.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **197.0420, -72.0210, -43.9010**, and **89.7160, -67.9870, -39.9150** is the 20% darker color. If you saturate the color by 10%, you get **126.7720, -97.9240, -53.5400**, and if you desaturate by 10%, it is **138.1490, -79.6320, -43.6320**.

# Distribution



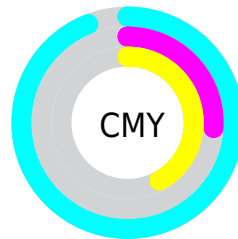
- Red (6%)
- Green (74%)
- Blue (58%)



- Red (6%)
- Yellow (44%)
- Blue (74%)



- Cyan (92%)
- Magenta (0%)
- Yellow (21%)
- Black (26%)



- Cyan (94%)
- Magenta (26%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 132.0120, -89.6720, -48.9040 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 132.0120, -89.6720, -48.9040 by changing the saturation by 10% instead.



■ 132.0120,  
-89.6720, -48.9040

■ 132.0120,  
-89.6720, -48.9040

■ 255.0000, -0.0000,  
-0.0000

■ 107.8280,  
-83.1620, -45.7380

■ 197.0420,  
-72.0210, -43.9010

■ 89.7160, -67.9870,  
-39.9150

■ 215.6720,  
-64.6870, -33.6390

■ 71.1310, -52.8580,  
-33.2580

■ 227.4920,  
-54.8320, -19.5040

■ 53.9480, -38.9210,  
-27.0250

■ 236.4620,  
-36.9520, -13.1440

■ 37.4660, -25.5800,  
-21.0040

■ 245.7310,  
-18.4760, -6.5720

■ 21.2290, -11.5510,  
-16.4390

■ 0.0000, 0.0000,

0.0000

■ 132.0120,  
-89.6720, -48.9040

■ 132.0120,  
-89.6720, -48.9040

■ 126.7720,  
-97.9240, -53.5400

■ 138.1490,  
-79.6320, -43.6320

■ 144.4000,  
-69.9130, -38.0490

■ 150.2380,  
-60.4690, -32.9890

■ 156.3750,  
-50.4290, -27.7170

■ 162.6260,  
-40.7100, -22.1340

■ 168.7630,  
-30.6700, -16.8620

■ 175.0140,  
-20.9510, -11.2790

■ 180.8520,  
-11.5070, -6.2190

■ 186.9890, -1.4670,  
-0.9470

# Harmonies

## Analogous

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



152.8790, -17.2780, -39.3100



132.0120, -89.6720, -48.9040



133.0590, -114.2490, -38.5130

# Triad

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



132.0120, -89.6720, -48.9040



165.8780, -39.6180, 24.1740



165.9160, 70.6980, 7.2900

# Complementary

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



132.0120, -89.6720, -48.9040



71.9880, 89.6720, 48.9040

# 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.



167.2050, 69.2270, 28.4510



132.0120, -89.6720, -48.9040



171.1850, 11.2260, 38.8580

# Square

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



132.0120, -89.6720, -48.9040



137.3510, -119.8020, -9.4500



169.3450, 48.8220, 40.3260



163.3030, 55.5260, -15.1140



# Rectangle

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



132.0120, -89.6720, -48.9040



135.0770, -122.6870, -28.7590



169.3450, 48.8220, 40.3260



166.1430, 71.7970, 14.9090

# Sweetspot

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



132.0120, -89.6720, -48.9040



223.4420, -34.2000, -18.9680



128.9240, -23.4600, -81.4760



109.3130, -20.3550, -11.0670



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



132.0120, -89.6720, -48.9040



165.2470, -127.7230, -69.6670



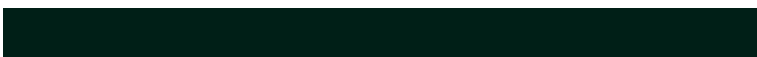
109.5700, -89.8620, -12.4060



91.0810, -4.7220, -2.5300



106.5400, -82.2910, -45.0030



20.8190, -15.9080, -9.0600



# Inverse Universe

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



71.9880, 89.6720, 48.9040



79.7530, 127.7230, 69.6670



94.4300, 89.8620, 12.4060



87.9190, 4.7220, 2.5300



51.4600, 82.2910, 45.0030

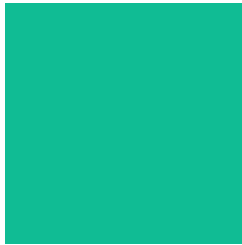


10.0670, 16.2290, 8.7490



# Previews

## White Background



This preview shows how the YIQ color 132.0120, -89.6720, -48.9040 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 132.0120, -89.6720, -48.9040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

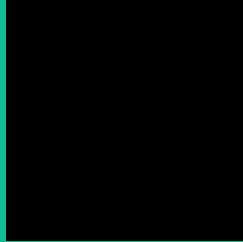
Any Text WCAG AA ✓ Pass

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 132.0120, -89.6720, -48.9040 Background



This preview shows how black text looks on a background with the YIQ color 132.0120, -89.6720, -48.9040.



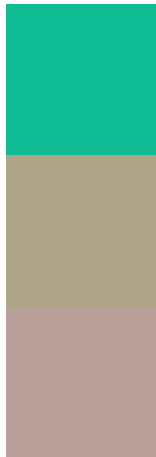
This preview shows how white text looks on a background with the YIQ color 132.0120, -89.6720, -48.9040.

-48.9040.

# 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

132.0120, -89.6720, -48.9040

### Protanopia

164.3850, 14.6730, -7.1110

### Deuteranopia

166.2040, 17.1010, 3.9570



## Tritanopia

146.8190, -77.8020, -21.7220

# Trichromacy



## Original Color

132.0120, -89.6720, -48.9040



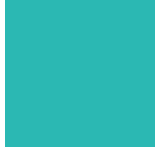
## Protanomaly

152.4940, -22.7830, -22.1350



## Deuteranomaly

154.1940, -21.6380, -15.3500



## Tritanomaly

141.2710, -82.4310, -31.4470

# Monochromacy



## Original Color

132.0120, -89.6720, -48.9040



## Achromatopsia

132.0000, -0.0000, -0.0000



## Achromatomaly

131.8660, -32.4580, -17.4980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 132.0120, -89.6720, -48.9040 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(16, 188, 148)` looks like.

```
.text, #text, p{  
    color:rgb(16, 188, 148)  
}
```

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(16, 188, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 188, 148) }
```

## Border

The CSS property to change the border of an element to YIQ 132.0120, -89.6720, -48.9040 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(16, 188, 148) }
```



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

```
.border{ border-color:rgb(16, 188, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 188, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 188, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 188, 148);  
box-shadow:4px 4px 4px 4px rgb(16, 188,  
148) }
```

# Background

The CSS property to change the background color of an element to YIQ 132.0120, -89.6720, -48.9040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 188, 148) }
```

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

```
.background{ background-color: rgb(16, 188,  
148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor