

# Converting Colors

YIQ(113.2200, -103.6160,  
-16.4480)

Have a look what the booklet for  
YIQ(113.2200, -103.6160, -16.4480)  
contains.

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# Color

**YIQ(113.2200, -103.6160,  
-16.4480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0498C8
RGB	4, 152, 200
RGB Percent	2%, 60%, 78%
CMY	0.9845, 0.4037, 0.2161
CMYK	0.98, 0.24, 0.00, 0.22
HSL	195°, 96%, 40%
HSV	195°, 98%, 78%
XYZ	21.6994, 26.6668, 58.5771
YIQ	113.2200, -103.6160, -16.4480

# Conversions

## Conversions Part 2

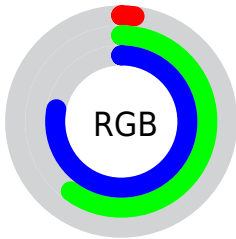
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	4, 88, 200
Decimal	301256
CIE <sub>Lab</sub>	58.66, -16.24, -33.93
CIE <sub>LCh</sub>	59, 37.616, 244.423
Yxy	26.6668, 0.2029, 0.2494
Android (android.graphics.Color)	4278491336 (0xFF0498C8)
YUV	113.2200, 42.7825, -95.7859
Hunter-Lab	51.6399, -15.3631, -31.1069

# Details

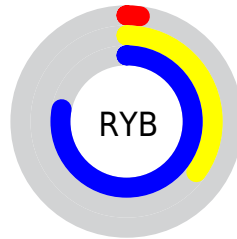
The YIQ color **113.2200, -103.6160, -16.4480** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **90.7800, 103.6160, 16.4480**, and the grayscale version is **113.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **179.8920, -78.9050, -7.2330**, and **75.9310, -74.6410, -7.4170** is the 20% darker color. If you saturate the color by 10%, you get **111.4370, -105.7250, -16.7730**, and if you desaturate by 10%, it is **122.1350, -93.0710, -14.8230**.

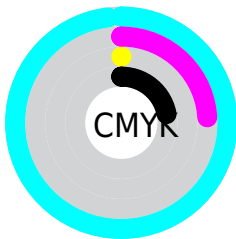
# Distribution



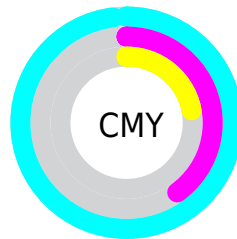
- Red (2%)
- Green (60%)
- Blue (78%)



- Red (2%)
- Yellow (35%)
- Blue (78%)



- Cyan (98%)
- Magenta (24%)
- Yellow (0%)
- Black (22%)



- Cyan (98%)
- Magenta (40%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 113.2200, -103.6160, -16.4480 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 113.2200, -103.6160, -16.4480 by changing the saturation by 10% instead.



■ 113.2200,  
-103.6160, -16.4480

■ 113.2200,  
-103.6160, -16.4480

■ 255.0000, -0.0000,  
-0.0000

■ 93.5700, -89.8620,  
-12.4060

■ 179.8920,  
-78.9050, -7.2330

■ 75.9310, -74.6410,  
-7.4170

■ 206.4830,  
-67.8080, -15.6160

■ 58.8790, -59.6950,  
-2.9510

■ 227.1930,  
-55.4280, -19.7160

■ 42.5280, -45.3450,  
1.3030

■ 236.4620,  
-36.9520, -13.1440

■ 27.4650, -31.8660,  
4.8220

■ 245.7310,  
-18.4760, -6.5720

■ 7.8200, -16.5080,  
12.8360

254.7010, -0.5960,

■ 3.5510, -8.6210,

-0.2120

7.5630

■ 0.0000, 0.0000,  
0.0000

■ 113.2200,  
-103.6160, -16.4480

■ 113.2200,  
-103.6160, -16.4480

■ 111.4370,  
-105.7250, -16.7730

■ 122.1350,  
-93.0710, -14.8230

■ 131.0500,  
-82.5260, -13.1980

■ 139.9650,  
-71.9810, -11.5730

■ 148.8800,  
-61.4360, -9.9480

■ 157.2080,  
-50.6160, -7.8000

■ 166.1230,  
-40.0710, -6.1750

■ 175.0380,  
-29.5260, -4.5500

■ 183.9530,  
-18.9810, -2.9250

■ 192.8680, -8.4360,  
-1.3000

# Harmonies

## Analogous

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



112.3370, -99.9920, -27.0640



113.2200, -103.6160, -16.4480



136.8410, -47.3640, 10.3640

# Triad

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



113.2200, -103.6160, -16.4480



143.2330, 45.6610, 26.0210



134.2180, 4.1770, -26.1510

# Complementary

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



113.2200, -103.6160, -16.4480



90.7800, 103.6160, 16.4480

# 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.



138.1460, 31.0430, -17.4450



113.2200, -103.6160, -16.4480



142.3350, 53.6410, 13.5530

# Square

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



113.2200, -103.6160, -16.4480



144.8470, 23.5610, 30.0650



140.3860, 48.4630, -2.7450



128.5590, -30.5760, -29.5840



# Rectangle

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



113.2200, -103.6160, -16.4480



142.5240, -21.1860, 20.5260



140.3860, 48.4630, -2.7450



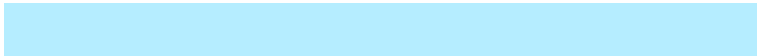
135.6600, 14.6760, -23.6920

# Sweetspot

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



113.2200, -103.6160, -16.4480



222.3080, -39.1540, -6.2740



124.2960, -68.6660, -88.2020



108.0880, -23.7950, -3.7870



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

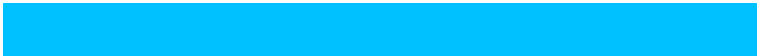


# Same Dimension

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



113.2200, -103.6160, -16.4480



142.3610, -134.9300, -21.6340



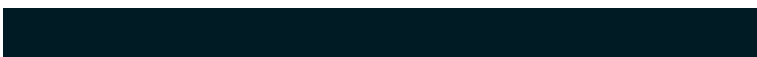
56.8680, -77.2160, 33.7600



95.1350, -4.8140, -0.8620



90.7830, -86.1480, -13.6360



19.9530, -18.9810, -2.9250



# Inverse Universe

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



79.4760, 69.3080, 87.5800



98.2470, 90.0270, 114.0830



147.1320, 77.2160, -33.7600



93.4890, 3.1170, 4.0850



62.7590, 57.6650, 72.8090



13.8420, 12.7890, 16.0290



# Previews

## White Background



This preview shows how the YIQ color 113.2200, -103.6160, -16.4480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 113.2200, -103.6160, -16.4480 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 × Fail

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

# YIQ 113.2200, -103.6160, -16.4480 Background



This preview shows how black text looks on a background with the YIQ color 113.2200, -103.6160, -16.4480.



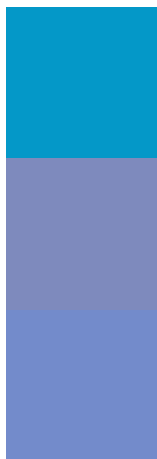
This preview shows how white text looks on a background with the YIQ color 113.2200, -103.6160, -16.4480.



# 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

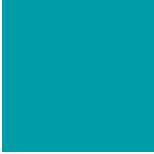
113.2200, -103.6160, -16.4480

### Protanopia

140.2260, -23.5230, 13.3170

### Deuteranopia

139.1200, -34.8480, 14.8160



## Tritanopia

110.7240, -96.8280, -29.3400

# Trichromacy



## Original Color

113.2200, -103.6160, -16.4480

## Protanomaly

130.4610, -52.4060, 2.6180

## Deuteranomaly

129.9810, -59.7420, 3.4100

## Tritanomaly

111.8040, -99.8090, -24.8730

# Monochromacy



## Original Color

113.2200, -103.6160, -16.4480

## Achromatopsia

113.0000, -0.0000, 0.0000

## Achromatomaly

112.9060, -37.9620, -5.8500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 113.2200, -103.6160, -16.4480 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(4, 152, 200)` looks like.

```
.text, #text, p{  
    color:rgb(4, 152, 200)  
}
```

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(4, 152, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 152, 200) }
```

## Border

The CSS property to change the border of an element to YIQ 113.2200, -103.6160, -16.4480 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(4, 152, 200) }
```



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

```
.border{ border-color:rgb(4, 152, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 152, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 152, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 152, 200);  
box-shadow:4px 4px 4px 4px rgb(4, 152,  
200) }
```

# Background

The CSS property to change the background color of an element to YIQ 113.2200, -103.6160, -16.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 152, 200) }
```

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

```
.background{ background-color: rgb(4, 152,  
200) }
```

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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