

# Converting Colors

YIQ(109.0160, -49.6550, 2.3210)

Have a look what the booklet for  
YIQ(109.0160, -49.6550, 2.3210)  
contains.

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# Color

**YIQ(109.0160, -49.6550,  
2.3210)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3F79A8
RGB	63, 121, 168
RGB Percent	25%, 47%, 66%
CMY	0.7530, 0.5254, 0.3414
CMYK	0.63, 0.28, 0.00, 0.34
HSL	207°, 45%, 45%
HSV	207°, 63%, 66%
XYZ	15.9508, 17.5615, 39.5657
YIQ	109.0160, -49.6550, 2.3210

# Conversions

## Conversions Part 2

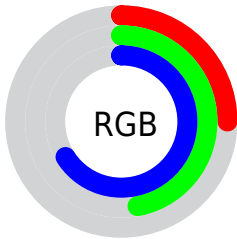
<b>Format</b>	<b>Color</b>
<b>RYB</b>	63, 100, 168
Decimal	4159912
CIELab	48.96, -4.21, -30.72
CIELCh	49, 31.006, 262.205
Yxy	17.5615, 0.2183, 0.2403
Android (android.graphics.Color)	4282349992 (0xFF3F79A8)
YUV	109.0160, 29.0791, -40.3560
Hunter-Lab	41.9064, -5.3939, -26.6438

# Details

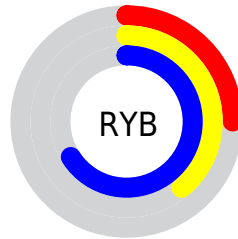
The YIQ color **109.0160, -49.6550, 2.3210** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **121.9840, 49.6550, -2.3210**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **162.8530, -47.6380, 4.3140**, and **56.0750, -57.3110, -2.1030** is the 20% darker color. If you saturate the color by 10%, you get **99.8240, -57.8620, 2.3780**, and if you desaturate by 10%, it is **118.7950, -41.7230, 1.7410**.

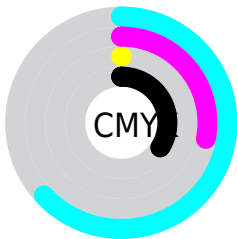
# Distribution



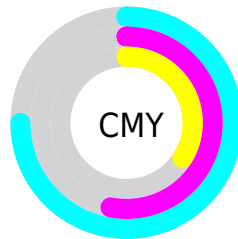
- Red (25%)
- Green (47%)
- Blue (66%)



- Red (25%)
- Yellow (39%)
- Blue (66%)



- Cyan (63%)
- Magenta (28%)
- Yellow (0%)
- Black (34%)



- Cyan (75%)
- Magenta (53%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 109.0160, -49.6550, 2.3210 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 109.0160, -49.6550, 2.3210 by changing the saturation by 10% instead.



■ 109.0160,  
-49.6550, 2.3210

■ 109.0160,  
-49.6550, 2.3210

■ 255.0000, -0.0000,  
-0.0000

■ 81.3960, -53.7810,  
0.0030

■ 162.8530,  
-47.6380, 4.3140

■ 56.0750, -57.3110,  
-2.1030

■ 190.3800,  
-47.6840, 5.1480

■ 39.7240, -42.9610,  
2.1510

■ 216.1170,  
-39.9340, -3.1500

■ 25.2480, -29.7570,  
5.1470

■ 240.0500,  
-29.8000, -10.6000

■ 6.8910, -15.2700,  
12.4260

■ 249.0200,  
-11.9200, -4.2400

■ 3.2090, -7.6580,  
6.6300

■ 0.0000, 0.0000,

0.0000

■ 109.0160,  
-49.6550, 2.3210

■ 109.0160,  
-49.6550, 2.3210

■ 99.8240, -57.8620,  
2.3780

■ 118.7950,  
-41.7230, 1.7410

■ 90.0450, -65.7940,  
2.9580

■ 127.9870,  
-33.5160, 1.6840

■ 81.1520, -73.4050,  
3.2270

■ 137.4670,  
-26.1800, 0.8920

■ 73.7430, -79.5030,  
3.6090

■ 146.6590,  
-17.9730, 0.8350

■ 156.4380,  
-10.0410, 0.2550

■ 165.6300, -1.8340,  
0.1980

■ 175.4090, 6.0980,  
-0.3820

■ 184.3020, 13.7090,  
-0.6510

■ 194.0810, 21.6410,  
-1.2310

# Harmonies

## Analogous

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



92.4470, -85.3220, -17.5940



109.0160, -49.6550, 2.3210



117.1450, -18.8010, 15.8470

# Triad

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



109.0160, -49.6550, 2.3210



118.0440, 41.3990, 15.1510



108.8280, -12.1000, -23.0120

# Complementary

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



109.0160, -49.6550, 2.3210



121.9840, 49.6550, -2.3210

# 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.



112.4520, 12.5660, -18.4900



109.0160, -49.6550, 2.3210



116.3670, 41.4470, 3.2630

# Square

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



109.0160, -49.6550, 2.3210



118.9260, 30.3480, 22.7000



114.6010, 31.5000, -9.2040



102.0770, -43.5980, -24.8620



# Rectangle

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



109.0160, -49.6550, 2.3210



119.6590, 0.3630, 20.9630



114.6010, 31.5000, -9.2040



110.1450, -2.7470, -21.8110

# Sweetspot

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



109.0160, -49.6550, 2.3210



196.1750, -19.4860, 0.7220



129.7650, -43.3200, -40.9200



95.1820, -12.1960, 0.7640



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



109.0160, -49.6550, 2.3210



127.1130, -77.6690, 3.4110



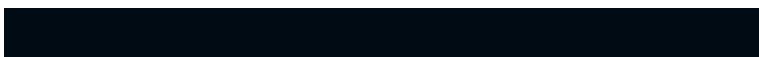
79.0790, -35.6300, 28.9940



79.2600, -3.6680, 0.3960



65.0060, -70.0580, 3.1420



8.7370, -9.4450, 0.4670



# Inverse Universe

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



101.0070, 43.9620, 40.2980



114.4100, 68.5330, 63.0690



151.9210, 35.6300, -28.9940



78.8480, 3.4840, 2.9400



53.6000, 61.8860, 56.8780



7.2340, 8.3890, 7.6610



# Previews

## White Background



This preview shows how the YIQ color 109.0160, -49.6550, 2.3210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

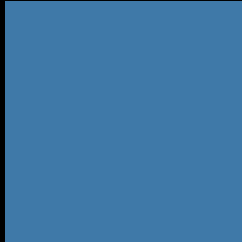
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 109.0160, -49.6550, 2.3210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

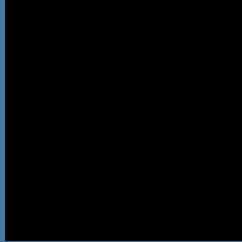
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

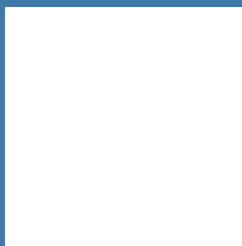
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 109.0160, -49.6550, 2.3210

## Background



This preview shows how black text looks on a background with the YIQ color 109.0160, -49.6550, 2.3210.



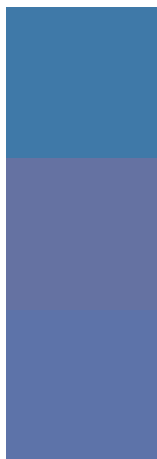
This preview shows how white text looks on a background with the YIQ color 109.0160, -49.6550,



# 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

109.0160, -49.6550, 2.3210

### Protanopia

115.5850, -23.1560, 12.1720

### Deuteranopia

114.5780, -30.4460, 12.1300



## Tritanopia

104.5190, -50.2940, -13.6380

# Trichromacy



## Original Color

109.0160, -49.6550, 2.3210

## Protanomaly

113.3880, -32.9670, 8.2570

## Deuteranomaly

112.4630, -37.5520, 8.7520

## Tritanomaly

106.0940, -50.2950, -8.1110

# Monochromacy



## Original Color

109.0160, -49.6550, 2.3210

## Achromatopsia

109.0000, -0.0000, 0.0000

## Achromatomaly

108.6590, -17.9730, 0.8350

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 109.0160, -49.6550, 2.3210 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(63, 121, 168)` looks like.

```
.text, #text, p{  
    color:rgb(63, 121, 168)  
}
```

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(63, 121, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 121, 168) }
```

## Border

The CSS property to change the border of an element to YIQ 109.0160, -49.6550, 2.3210 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(63, 121, 168) }
```



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

```
.border{ border-color:rgb(63, 121, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 121, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 121, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 121, 168);  
box-shadow:4px 4px 4px 4px rgb(63, 121,  
168) }
```

# Background

The CSS property to change the background color of an element to YIQ 109.0160, -49.6550, 2.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 121, 168) }
```

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

```
.background{ background-color: rgb(63, 121,  
168) }
```

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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