

# Converting Colors

YIQ(110.7610, -62.7190,  
-14.2310)

Have a look what the booklet for  
YIQ(110.7610, -62.7190, -14.2310)  
contains.

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# Color

**YIQ(110.7610, -62.7190,  
-14.2310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A899C
RGB	42, 137, 156
RGB Percent	16%, 54%, 61%
CMY	0.8355, 0.4626, 0.3885
CMYK	0.73, 0.12, 0.00, 0.39
HSL	190°, 58%, 39%
HSV	190°, 73%, 61%
XYZ	15.8990, 20.7918, 34.5979
YIQ	110.7610, -62.7190, -14.2310

# Conversions

## Conversions Part 2

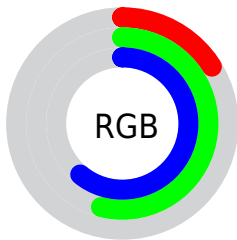
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 94, 156
Decimal	2787740
CIE <sub>Lab</sub>	52.72, -20.72, -17.99
CIE <sub>LCh</sub>	53, 27.439, 220.977
Yxy	20.7918, 0.2230, 0.2917
Android (android.graphics.Color)	4280977820 (0xFF2A899C)
YUV	110.7610, 22.3028, -60.3034
Hunter-Lab	45.5980, -17.5576, -13.0682

# Details

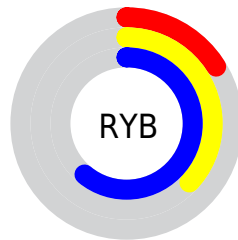
The YIQ color **110.7610, -62.7190, -14.2310** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **87.2390, 62.7190, 14.2310**, and the grayscale version is **111.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **167.2670, -58.2720, -12.2240**, and **63.0390, -57.6300, -12.8460** is the 20% darker color. If you saturate the color by 10%, you get **104.2160, -71.4300, -16.0540**, and if you desaturate by 10%, it is **117.3060, -54.0080, -12.4080**.

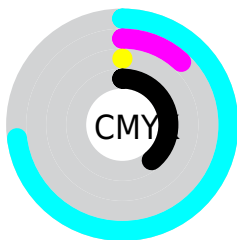
# Distribution



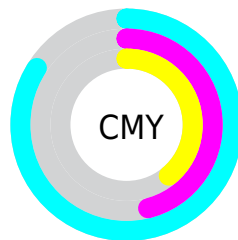
- Red (16%)
- Green (54%)
- Blue (61%)



- Red (16%)
- Yellow (37%)
- Blue (61%)



- Cyan (73%)
- Magenta (12%)
- Yellow (0%)
- Black (39%)



- Cyan (84%)
- Magenta (46%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 110.7610, -62.7190, -14.2310 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 110.7610, -62.7190, -14.2310 by changing the saturation by 10% instead.



■ 110.7610,  
-62.7190, -14.2310

■ 110.7610,  
-62.7190, -14.2310

■ 255.0000, -0.0000,  
-0.0000

■ 79.9770, -72.2550,  
-17.6230

■ 167.1530,  
-57.9510, -12.5350

■ 63.0390, -57.6300,  
-12.8460

■ 195.5660,  
-57.6760, -12.0120

■ 46.2150, -43.3260,  
-7.7580

■ 222.4970,  
-53.2280, -15.5320

■ 30.6790, -29.8930,  
-3.4050

■ 235.8640,  
-38.1440, -13.5680

■ 15.2570, -16.7810,  
1.2590

■ 244.5350,  
-20.8600, -7.4200

■ 2.0690, -4.4480,  
3.5200

■ 253.5050, -2.9800,

■ 0.0000, 0.0000,

-1.0600

0.0000

■ 110.7610,  
-62.7190, -14.2310

■ 110.7610,  
-62.7190, -14.2310

■ 104.2160,  
-71.4300, -16.0540

■ 117.3060,  
-54.0080, -12.4080

■ 98.5570, -79.8200,  
-18.1880

■ 122.9650,  
-45.6180, -10.2740

■ 94.0940, -85.8260,  
-19.4740

■ 129.5100,  
-36.9070, -8.4510

■ 135.1690,  
-28.5170, -6.3170

■ 141.7140,  
-19.8060, -4.4940

■ 148.2590,  
-11.0950, -2.6710

■ 153.9180, -2.7050,  
-0.5370

■ 160.4630, 6.0060,  
1.2860

■ 166.1220, 14.3960,  
3.4200

# Harmonies

## Analogous

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



112.1180, -50.8430, -20.2110



110.7610, -62.7190, -14.2310



117.4950, -49.7460, -1.5380

# Triad

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



110.7610, -62.7190, -14.2310



129.4950, 21.3160, 21.1880



123.3220, 18.9840, -13.6560

# Complementary

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



110.7610, -62.7190, -14.2310



87.2390, 62.7190, 14.2310

# 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.



125.5460, 33.3330, -3.8750



110.7610, -62.7190, -14.2310



128.2760, 34.9340, 16.6780

# Square

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



110.7610, -62.7190, -14.2310



128.8930, -0.4160, 18.5600



127.2190, 39.1080, 7.1080



120.9110, -1.9680, -19.4080



# Rectangle

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



110.7610, -62.7190, -14.2310



122.9640, -34.7090, 6.7870



127.2190, 39.1080, 7.1080



124.4260, 24.6230, -11.2250

# Sweetspot

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



110.7610, -62.7190, -14.2310



183.7350, -24.2990, -5.6670



110.8560, -36.8070, -54.3350



91.5790, -14.9920, -3.6320



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



110.7610, -62.7190, -14.2310



131.0540, -97.5170, -22.3570



78.4760, -47.5940, 14.5340



76.0210, -4.4930, -1.1730



86.1550, -78.6280, -17.7640



9.3410, -8.3900, -2.1340



# Inverse Universe

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



86.9160, 37.4490, 53.7130



93.7950, 57.9840, 83.5520



119.5240, 47.5940, -14.5340



74.1900, 2.5210, 3.8730



56.3230, 47.0290, 67.3250

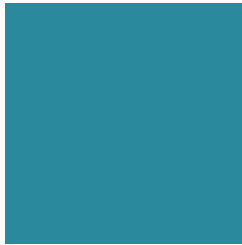


5.9670, 4.7670, 7.2230



# Previews

## White Background



This preview shows how the YIQ color 110.7610, -62.7190, -14.2310 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 110.7610, -62.7190, -14.2310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

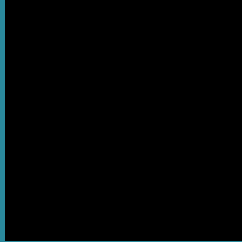
Any Text WCAG AA ✓ Pass

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 110.7610, -62.7190, -14.2310 Background



This preview shows how black text looks on a background with the YIQ color 110.7610, -62.7190, -14.2310.



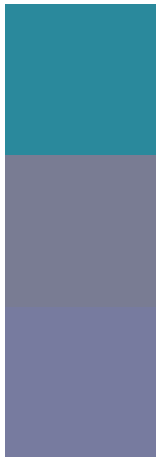
This preview shows how white text looks on a background with the YIQ color 110.7610, -62.7190, -14.2310.



# 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

110.7610, -62.7190, -14.2310

### Protanopia

125.7250, -9.1710, 6.5170

### Deuteranopia

125.9080, -13.9400, 10.3480



## Tritanopia

109.0550, -63.7270, -17.9910

# Trichromacy



## Original Color

110.7610, -62.7190, -14.2310

## Protanomaly

120.3310, -28.7930, -1.3130

## Deuteranomaly

120.3570, -31.6820, 1.4860

## Tritanomaly

109.9950, -63.4980, -16.6340

# Monochromacy



## Original Color

110.7610, -62.7190, -14.2310

## Achromatopsia

111.0000, -0.0000, 0.0000

## Achromatomaly

110.6320, -22.5110, -5.0310

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 110.7610, -62.7190, -14.2310 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(42, 137, 156)` looks like.

```
.text, #text, p{  
    color:rgb(42, 137, 156)  
}
```

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(42, 137, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 137, 156) }
```

## Border

The CSS property to change the border of an element to YIQ 110.7610, -62.7190, -14.2310 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(42, 137, 156) }
```



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

```
.border{ border-color:rgb(42, 137, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 137, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 137, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 137, 156);  
box-shadow:4px 4px 4px 4px rgb(42, 137,  
156) }
```

# Background

The CSS property to change the background color of an element to YIQ 110.7610, -62.7190, -14.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 137, 156) }
```

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

```
.background{ background-color: rgb(42, 137,  
156) }
```

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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