

# Converting Colors

YIQ(115.2710, -46.9000,  
-20.0840)

Have a look what the booklet for  
YIQ(115.2710, -46.9000, -20.0840)  
contains.

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# Color

**YIQ(115.2710, -46.9000,  
-20.0840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3A8D85
RGB	58, 141, 133
RGB Percent	23%, 55%, 52%
CMY	0.7727, 0.4469, 0.4786
CMYK	0.59, 0.00, 0.06, 0.45
HSL	174°, 42%, 39%
HSV	174°, 59%, 55%
XYZ	15.5024, 21.6502, 25.5355
YIQ	115.2710, -46.9000, -20.0840

# Conversions

## Conversions Part 2

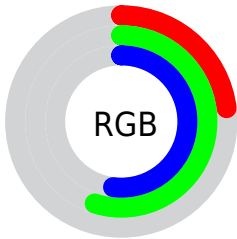
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 102, 141
Decimal	3837317
CIELab	53.65, -27.05, -3.24
CIElCh	54, 27.241, 186.838
Yxy	21.6502, 0.2473, 0.3454
Android (android.graphics.Color)	4282027397 (0xFF3A8D85)
YUV	115.2710, 8.7404, -50.2267
Hunter-Lab	46.5298, -21.9560, 0.0325

# Details

The YIQ color **115.2710, -46.9000, -20.0840** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **83.7290, 46.9000, 20.0840**, and the grayscale version is **115.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **169.7550, -45.3870, -19.9710**, and **62.4060, -51.7140, -20.9460** is the 20% darker color. If you saturate the color by 10%, you get **110.9710, -54.9230, -23.3630**, and if you desaturate by 10%, it is **119.5710, -38.8770, -16.8050**.

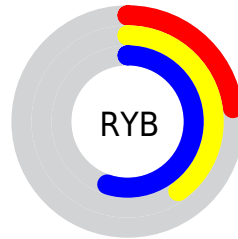
# Distribution



Red (23%)

Green (55%)

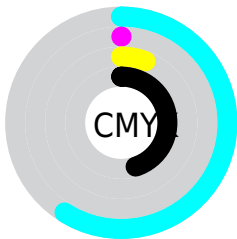
Blue (52%)



Red (23%)

Yellow (40%)

Blue (55%)

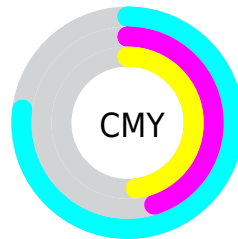


Cyan (59%)

Magenta (0%)

Yellow (6%)

Black (45%)



Cyan (77%)

Magenta (45%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 115.2710, -46.9000, -20.0840 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 115.2710, -46.9000, -20.0840 by changing the saturation by 10% instead.



■ 115.2710,  
-46.9000, -20.0840

■ 115.2710,  
-46.9000, -20.0840

■ 255.0000, -0.0000,  
-0.0000

■ 87.2920, -51.3930,  
-21.2570

■ 169.7550,  
-45.3870, -19.9710

■ 62.4060, -51.7140,  
-20.9460

■ 197.4560,  
-45.9830, -20.1830

■ 45.6960, -37.7310,  
-15.5470

■ 226.0430,  
-46.2580, -20.7060

■ 30.2740, -24.6190,  
-10.8830

■ 237.9570,  
-33.9720, -12.0840

■ 14.9660, -11.8280,  
-5.9080

■ 246.6280,  
-16.6880, -5.9360

■ 0.0000, 0.0000,  
0.0000

■ 115.2710,  
-46.9000, -20.0840

■ 115.2710,  
-46.9000, -20.0840

■ 110.9710,  
-54.9230, -23.3630

■ 119.5710,  
-38.8770, -16.8050

■ 106.5570,  
-62.6250, -26.9530

■ 123.9850,  
-31.1750, -13.2150

■ 102.2570,  
-70.6480, -30.2320

■ 128.2850,  
-23.1520, -9.9360

■ 97.8430, -78.3500,  
-33.8220

■ 132.5850,  
-15.1290, -6.6570

■ 97.2450, -79.5420,  
-34.2460

■ 136.9990, -7.4270,  
-3.0670

■ 141.5980, 1.1920,  
0.4240

■ 146.0120, 8.8940,  
4.0140

■ 150.3120, 16.9170,

7.2930

■ 154.6120, 24.9400,  
10.5720

# Harmonies

## Analogous

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



119.4340, -22.5540, -20.7780



115.2710, -46.9000, -20.0840



113.4190, -61.7560, -15.1640

# Triad

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



115.2710, -46.9000, -20.0840



130.6260, -4.0380, 18.1220



128.0840, 34.7540, -2.0940

# Complementary

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



115.2710, -46.9000, -20.0840



83.7290, 46.9000, 20.0840

# 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.



129.2730, 39.0160, 8.7760



115.2710, -46.9000, -20.0840



131.5270, 18.2900, 20.9620

# Square

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



115.2710, -46.9000, -20.0840



126.6550, -29.3450, 8.6950



130.7320, 33.6500, 17.9220



125.9310, 21.6430, -12.2850



# Rectangle

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



115.2710, -46.9000, -20.0840



116.5000, -57.3100, -7.6300



130.7320, 33.6500, 17.9220



128.8610, 37.0000, 1.2560

# Sweetspot

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



115.2710, -46.9000, -20.0840



173.6770, -18.3840, -8.2400



109.1130, -18.0570, -41.7130



85.7920, -11.2780, -4.8620



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



115.2710, -46.9000, -20.0840



143.3490, -73.9030, -31.8150



96.8120, -40.3930, -0.3370



68.9070, -4.1720, -1.4840



93.1530, -76.2870, -32.6630



5.4940, -4.4470, -2.0070



# Inverse Universe

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



83.7290, 46.9000, 20.0840



93.6510, 73.9030, 31.8150



102.1880, 40.3930, 0.3370



66.2070, 3.8510, 1.7950



41.8470, 76.2870, 32.6630

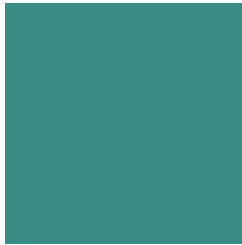


2.5060, 4.4470, 2.0070



# Previews

## White Background



This preview shows how the YIQ color 115.2710, -46.9000, -20.0840 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 115.2710, -46.9000, -20.0840 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 115.2710, -46.9000, -20.0840 Background



This preview shows how black text looks on a background with the YIQ color 115.2710, -46.9000, -20.0840.



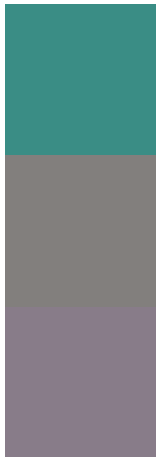
This preview shows how white text looks on a background with the YIQ color 115.2710, -46.9000, -20.0840.

-20.0840.

# 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

115.2710, -46.9000, -20.0840

### Protanopia

127.6690, 2.4300, 0.0140

### Deuteranopia

129.0700, 2.9790, 6.5870



## Tritanopia

118.1280, -47.6350, -12.2670

# Trichromacy



## Original Color

115.2710, -46.9000, -20.0840

## Protanomaly

123.1720, -15.4040, -7.1800

## Deuteranomaly

124.1060, -15.0380, -2.7980

## Tritanomaly

117.1340, -47.7720, -15.2920

# Monochromacy



## Original Color

115.2710, -46.9000, -20.0840

## Achromatopsia

115.0000, -0.0000, 0.0000

## Achromatomaly

114.8020, -17.2380, -6.9820

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 115.2710, -46.9000, -20.0840 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(58, 141, 133)` looks like.

```
.text, #text, p{  
    color:rgb(58, 141, 133)  
}
```

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(58, 141, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 141, 133) }
```

## Border

The CSS property to change the border of an element to YIQ 115.2710, -46.9000, -20.0840 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(58, 141, 133) }
```



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

```
.border{ border-color:rgb(58, 141, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 141, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 141, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 141, 133);  
box-shadow:4px 4px 4px 4px rgb(58, 141,  
133) }
```

# Background

The CSS property to change the background color of an element to YIQ 115.2710, -46.9000, -20.0840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 141, 133) }
```

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

```
.background{ background-color: rgb(58, 141,  
133) }
```

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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