

# Converting Colors

YIQ(120.6570, -41.9950,  
-15.3630)

Have a look what the booklet for  
YIQ(120.6570, -41.9950, -15.3630)  
contains.

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# Color

**YIQ(120.6570, -41.9950,  
-15.3630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	478E8D
RGB	71, 142, 141
RGB Percent	28%, 56%, 55%
CMY	0.7217, 0.4430, 0.4472
CMYK	0.50, 0.00, 0.01, 0.44
HSL	179°, 33%, 42%
HSV	179°, 50%, 56%
XYZ	17.0774, 22.6147, 28.6478
YIQ	120.6570, -41.9950, -15.3630

# Conversions

## Conversions Part 2

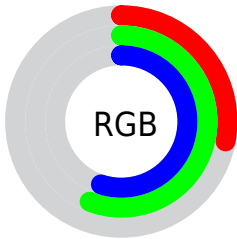
Format	Color
R <sub>Y</sub> B	71, 107, 142
Decimal	4689549
CIE Lab	54.67, -22.49, -6.31
CIE LCh	55, 23.354, 195.666
Yxy	22.6147, 0.2499, 0.3309
Android (android.graphics.Color)	4282879629 (0xFF478E8D)
YUV	120.6570, 10.0291, -43.5492
Hunter-Lab	47.5549, -19.1201, -2.4288




# Details

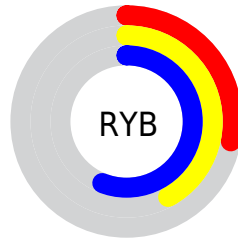
The YIQ color **120.6570, -41.9950, -15.3630** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **92.3430, 41.9950, 15.3630**, and the grayscale version is **121.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **174.6570, -41.9950, -15.3630**, and **65.2860, -51.2560, -18.2320** is the 20% darker color. If you saturate the color by 10%, you get **116.4710, -50.3390, -18.3310**, and if you desaturate by 10%, it is **124.8430, -33.6510, -12.3950**.

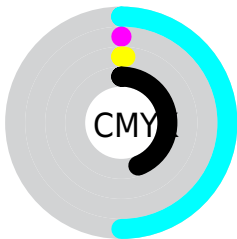
# Distribution







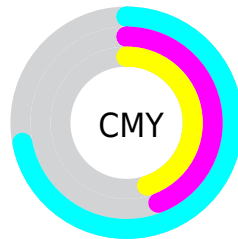
-  Red (28%)
-  Green (56%)
-  Blue (55%)






-  Red (28%)
-  Yellow (42%)
-  Blue (56%)



-  Cyan (50%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (44%)



-  Cyan (72%)
-  Magenta (44%)
-  Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.6570, -41.9950, -15.3630 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 120.6570, -41.9950, -15.3630 by changing the saturation by 10% instead.



■ 120.6570,  
-41.9950, -15.3630

■ 120.6570,  
-41.9950, -15.3630

■ 255.0000, -0.0000,  
-0.0000

■ 94.0590, -43.1870,  
-15.7870

■ 174.6570,  
-41.9950, -15.3630

■ 65.2860, -51.2560,  
-18.2320

■ 202.5430,  
-41.6740, -15.6740

■ 47.5540, -40.2070,  
-14.7270

■ 231.2440,  
-42.2700, -15.8860

■ 31.5450, -26.8200,  
-9.5400

■ 241.2460,  
-27.4160, -9.7520

■ 18.1120, -15.1750,  
-5.8230

■ 249.9170,  
-10.1320, -3.6040

■ 0.0000, 0.0000,  
0.0000

■ 120.6570,  
-41.9950, -15.3630

■ 120.6570,  
-41.9950, -15.3630

■ 116.4710,  
-50.3390, -18.3310

■ 124.8430,  
-33.6510, -12.3950

■ 112.2850,  
-58.6830, -21.2990

■ 129.0290,  
-25.3070, -9.4270

■ 107.6860,  
-67.3020, -24.7900

■ 133.6280,  
-16.6880, -5.9360

■ 103.5000,  
-75.6460, -27.7580

■ 137.8140, -8.3440,  
-2.9680

■ 99.3140, -83.9900,  
-30.7260

■ 142.0000, -0.0000,  
-0.0000

■ 146.1860, 8.3440,  
2.9680

■ 150.3720, 16.6880,  
5.9360

■ 154.9710, 25.3070,

9.4270

■ 159.1570, 33.6510,  
12.3950

# Harmonies

## Analogous

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



123.0580, -24.2510, -17.5550



120.6570, -41.9950, -15.3630



121.5350, -47.2230, -8.7190

# Triad

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



120.6570, -41.9950, -15.3630



133.6930, 3.0230, 16.8070



130.4960, 27.6020, -4.6380

# Complementary

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



120.6570, -41.9950, -15.3630



92.3430, 41.9950, 15.3630

# 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.



132.1150, 33.4690, 4.6770



120.6570, -41.9950, -15.3630



134.0880, 20.9040, 17.6400

# Square

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



120.6570, -41.9950, -15.3630



130.8690, -18.2040, 10.5320



133.3140, 31.7710, 13.4270



128.6250, 13.7570, -12.5390



# Rectangle

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



120.6570, -41.9950, -15.3630



124.2740, -41.8140, -2.1180



133.3140, 31.7710, 13.4270



131.1590, 30.1690, -1.5990

# Sweetspot

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



120.6570, -41.9950, -15.3630



175.5140, -16.3670, -6.2470



112.9760, -18.9290, -36.9210



86.9170, -10.1320, -3.6040



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.



120.6570, -41.9950, -15.3630



150.5830, -65.5140, -24.1540



100.8130, -32.9660, 2.7300



68.9070, -4.1720, -1.4840



94.4070, -79.8180, -29.2420



5.6080, -4.7680, -1.6960



# Inverse Universe

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



92.3430, 41.9950, 15.3630



106.4170, 65.5140, 24.1540



112.1870, 32.9660, -2.7300



66.0930, 4.1720, 1.4840



40.5930, 79.8180, 29.2420

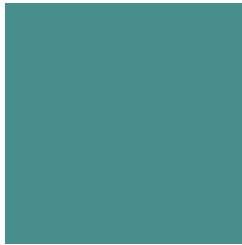


2.3920, 4.7680, 1.6960



# Previews

## White Background



This preview shows how the YIQ color 120.6570, -41.9950, -15.3630 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 120.6570, -41.9950, -15.3630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

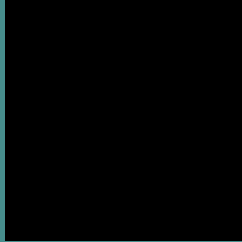
Any Text WCAG AA ✓ Pass

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 120.6570, -41.9950, -15.3630 Background



This preview shows how black text looks on a background with the YIQ color 120.6570, -41.9950, -15.3630.



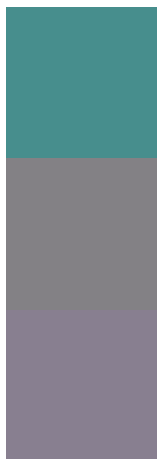
This preview shows how white text looks on a background with the YIQ color 120.6570, -41.9950, -15.3630.

-15.3630.

# 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

120.6570, -41.9950, -15.3630

### Protanopia

130.0540, -0.0920, 1.6680

### Deuteranopia

131.6290, -0.0930, 7.1950



## Tritanopia

121.9330, -42.5920, -10.0480

# Trichromacy



## Original Color

120.6570, -41.9950, -15.3630

## Protanomaly

126.7530, -15.5420, -4.6780

## Deuteranomaly

127.2740, -15.4510, -0.8190

## Tritanomaly

121.7650, -42.1790, -12.0270

# Monochromacy



## Original Color

120.6570, -41.9950, -15.3630

## Achromatopsia

121.0000, -0.0000, 0.0000

## Achromatomaly

121.1120, -15.1750, -5.8230

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.6570, -41.9950, -15.3630 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(71, 142, 141)` looks like.

```
.text, #text, p{  
    color:rgb(71, 142, 141)  
}
```

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(71, 142, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 142, 141) }
```

## Border

The CSS property to change the border of an element to YIQ 120.6570, -41.9950, -15.3630 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(71, 142, 141) }
```



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

```
.border{ border-color:rgb(71, 142, 141) }
```

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

Here you see how a box with a 4 pixel rgb(71, 142, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 142, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 142, 141);  
box-shadow:4px 4px 4px 4px rgb(71, 142,  
141) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.6570, -41.9950, -15.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 142, 141) }
```

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

```
.background{ background-color: rgb(71, 142,  
141) }
```

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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