

# Converting Colors

YIQ(120.5070, -51.1610,  
-36.4810)

Have a look what the booklet for  
YIQ(120.5070, -51.1610, -36.4810)  
contains.

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# Color

**YIQ(120.5070, -51.1610,  
-36.4810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	319E73
RGB	49, 158, 115
RGB Percent	19%, 62%, 45%
CMY	0.8081, 0.3802, 0.5492
CMYK	0.69, 0.00, 0.27, 0.38
HSL	156°, 53%, 41%
HSV	156°, 69%, 62%
XYZ	16.5898, 26.3573, 20.4197
YIQ	120.5070, -51.1610, -36.4810

# Conversions

## Conversions Part 2

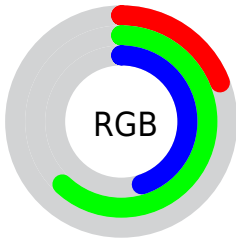
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 117, 158
Decimal	3251827
CIE <sub>Lab</sub>	58.37, -41.15, 13.75
CIE <sub>LCh</sub>	58, 43.389, 161.520
Yxy	26.3573, 0.2618, 0.4159
Android (android.graphics.Color)	4281441907 (0xFF319E73)
YUV	120.5070, -2.7150, -62.7116
Hunter-Lab	51.3393, -32.1634, 12.3556

# Details

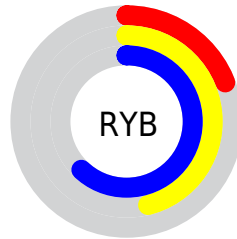
The YIQ color **120.5070, -51.1610, -36.4810** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **86.4930, 51.1610, 36.4810**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **176.6600, -47.2180, -36.3540**, and **69.8600, -50.6570, -34.6010** is the 20% darker color. If you saturate the color by 10%, you get **115.0390, -58.7710, -41.7390**, and if you desaturate by 10%, it is **125.9750, -43.5510, -31.2230**.

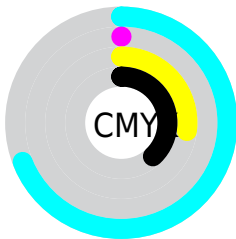
# Distribution



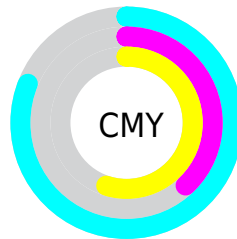
- Red (19%)
- Green (62%)
- Blue (45%)



- Red (19%)
- Yellow (46%)
- Blue (62%)



- Cyan (69%)
- Magenta (0%)
- Yellow (27%)
- Black (38%)



- Cyan (81%)
- Magenta (38%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.5070, -51.1610, -36.4810 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 120.5070, -51.1610, -36.4810 by changing the saturation by 10% instead.



■ 120.5070,  
-51.1610, -36.4810

■ 120.5070,  
-51.1610, -36.4810

■ 255.0000, -0.0000,  
-0.0000

■ 87.1570, -64.9150,  
-40.5230

■ 176.6600,  
-47.2180, -36.3540

■ 69.8600, -50.6570,  
-34.6010

■ 205.1330,  
-47.1720, -37.1880

■ 52.5630, -36.3990,  
-28.6790

■ 224.6270,  
-42.4510, -29.1310

■ 36.0810, -23.0580,  
-22.6580

■ 236.6040,  
-34.4760, -13.9640

■ 21.1320, -9.9000,  
-18.8280

■ 245.7310,  
-18.4760, -6.5720

■ 0.0000, 0.0000,  
0.0000

254.7010, -0.5960,

-0.2120

■ 120.5070,  
-51.1610, -36.4810

■ 120.5070,  
-51.1610, -36.4810

■ 115.0390,  
-58.7710, -41.7390

■ 125.9750,  
-43.5510, -31.2230

■ 109.4570,  
-66.0600, -47.3080

■ 131.4430,  
-35.9410, -25.9650

■ 104.2880,  
-73.0740, -52.3540

■ 136.7260,  
-29.2480, -20.6080

■ 103.6900,  
-74.2660, -52.7780

■ 142.1940,  
-21.6380, -15.3500

■ 147.6620,  
-14.0280, -10.0920

■ 153.1300, -6.4180,  
-4.8340

■ 158.7120, 0.8710,  
0.7350

■ 163.8810, 7.8850,  
5.7810

■ 169.3490, 15.4950,  
11.0390

# Harmonies

## Analogous

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



131.0380, -4.3040, -32.1440



120.5070, -51.1610, -36.4810



111.4760, -93.4340, -35.7860

# Triad

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



120.5070, -51.1610, -36.4810



136.9000, -45.8520, 16.0040



139.8750, 60.7480, 11.4040

# Complementary

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



120.5070, -51.1610, -36.4810



86.4930, 51.1610, 36.4810

# 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.



141.2620, 55.8850, 27.9570



120.5070, -51.1610, -36.4810



144.2710, -1.0600, 30.2360

# Square

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



120.5070, -51.1610, -36.4810



112.8050, -109.5770, -13.0410



143.7560, 34.2430, 34.7150



138.7790, 51.4900, -8.0460



# Rectangle

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



120.5070, -51.1610, -36.4810



113.7390, -101.1840, -27.4880



143.7560, 34.2430, 34.7150



140.8630, 61.0220, 17.4540

# Sweetspot

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



120.5070, -51.1610, -36.4810



191.7920, -20.4460, -14.9260



126.1390, -3.7510, -47.6790



95.6730, -12.5610, -9.1450



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



120.5070, -51.1610, -36.4810



147.8200, -80.6840, -57.6120



118.9520, -61.9390, -17.3550



76.2660, -3.8050, -2.6290



93.7450, -66.9310, -48.0430



9.8310, -7.0140, -5.0460



# Inverse Universe

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



86.4930, 51.1610, 36.4810



94.1800, 80.6840, 57.6120



88.0480, 61.9390, 17.3550



73.7340, 3.8050, 2.6290



49.1410, 67.2520, 47.7320



5.1690, 7.0140, 5.0460



# Previews

## White Background



This preview shows how the YIQ color 120.5070, -51.1610, -36.4810 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 120.5070, -51.1610, -36.4810 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 120.5070, -51.1610, -36.4810 Background



This preview shows how black text looks on a background with the YIQ color 120.5070, -51.1610, -36.4810.



This preview shows how white text looks on a background with the YIQ color 120.5070, -51.1610, -36.4810.

-36.4810.

# 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

120.5070, -51.1610, -36.4810

### Protanopia

138.2280, 16.5530, -8.1430

### Deuteranopia

140.1780, 19.9900, 1.1580



## Tritanopia

128.5510, -53.3200, -13.8640

# Trichromacy



## Original Color

120.5070, -51.1610, -36.4810

## Protanomaly

131.9150, -7.7910, -18.5030

## Deuteranomaly

133.2730, -5.6830, -12.6510

## Tritanomaly

125.5800, -52.2640, -21.9920

# Monochromacy



## Original Color

120.5070, -51.1610, -36.4810

## Achromatopsia

121.0000, -0.0000, 0.0000

## Achromatomaly

120.6290, -18.4290, -12.9330

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.5070, -51.1610, -36.4810 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(49, 158, 115)` looks like.

```
.text, #text, p{  
    color:rgb(49, 158, 115)  
}
```

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(49, 158, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 158, 115) }
```

## Border

The CSS property to change the border of an element to YIQ 120.5070, -51.1610, -36.4810 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".

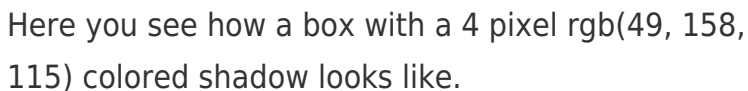
```
.border, #border, table{ border:4px solid rgb(49, 158, 115) }
```



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

```
.border{ border-color:rgb(49, 158, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(49, 158, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(49, 158, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(49, 158, 115); box-shadow:4px 4px 4px 4px rgb(49, 158, 115) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.5070, -51.1610, -36.4810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 158, 115) }
```

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

```
.background{ background-color: rgb(49, 158,  
115) }
```

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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