

# Converting Colors

YIQ(116.7710, -52.6250,  
-54.0090)

Have a look what the booklet for  
YIQ(116.7710, -52.6250, -54.0090)  
contains.

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# Color

**YIQ(116.7710, -52.6250,  
-54.0090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21A653
RGB	33, 166, 83
RGB Percent	13%, 65%, 33%
CMY	0.8709, 0.3488, 0.6746
CMYK	0.80, 0.00, 0.50, 0.35
HSL	143°, 67%, 39%
HSV	143°, 80%, 65%
XYZ	15.8305, 28.2384, 12.7924
YIQ	116.7710, -52.6250, -54.0090

# Conversions

## Conversions Part 2

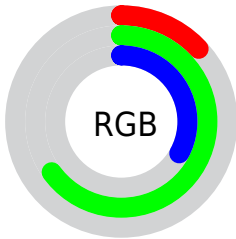
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 130, 166
Decimal	2205267
CIE <sub>Lab</sub>	60.10, -52.93, 33.26
CIE <sub>LCh</sub>	60, 62.515, 147.859
Yxy	28.2384, 0.2784, 0.4966
Android (android.graphics.Color)	4280395347 (0xFF21A653)
YUV	116.7710, -16.6491, -73.4672
Hunter-Lab	53.1399, -39.8193, 22.9250

# Details

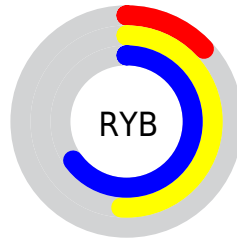
The YIQ color **116.7710, -52.6250, -54.0090** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **82.2290, 52.6250, 54.0090**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **175.7890, -43.8680, -53.0200**, and **70.3210, -42.3100, -48.2140** is the 20% darker color. If you saturate the color by 10%, you get **110.5480, -59.5470, -60.7230**, and if you desaturate by 10%, it is **122.9940, -45.7030, -47.2950**.

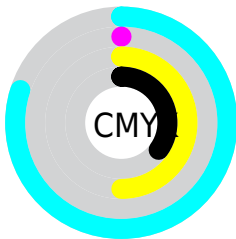
# Distribution



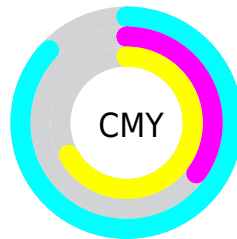
- Red (13%)
- Green (65%)
- Blue (33%)



- Red (13%)
- Yellow (51%)
- Blue (65%)



- Cyan (80%)
- Magenta (0%)
- Yellow (50%)
- Black (35%)



- Cyan (87%)
- Magenta (35%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 116.7710, -52.6250, -54.0090 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 116.7710, -52.6250, -54.0090 by changing the saturation by 10% instead.



■ 116.7710,  
-52.6250, -54.0090

■ 116.7710,  
-52.6250, -54.0090

■ 255.0000, -0.0000,  
-0.0000

■ 88.3190, -57.1640,  
-54.3480

■ 175.7890,  
-43.8680, -53.0200

■ 70.3210, -42.3100,  
-48.2140

■ 204.8600,  
-42.6300, -53.4300

■ 52.0950, -26.8140,  
-42.7020

■ 218.9570,  
-35.1130, -40.9770

■ 36.3940, -17.0500,  
-32.4260

■ 230.8200,  
-26.8170, -26.1210

■ 23.4800, -11.0000,  
-20.9200

■ 243.0960,  
-18.2460, -10.7420

■ 0.5870, -0.2750,  
-0.5230

■ 253.2060, -3.5760,

■ 0.0000, 0.0000,

-1.2720

0.0000

■ 116.7710,  
-52.6250, -54.0090

■ 116.7710,  
-52.6250, -54.0090

■ 110.5480,  
-59.5470, -60.7230

■ 122.9940,  
-45.7030, -47.2950

■ 104.5100,  
-65.5520, -67.5360

■ 129.0320,  
-39.6980, -40.4820

■ 135.2550,  
-32.7760, -33.7680

■ 141.1790,  
-26.4500, -27.2660

■ 147.5160,  
-19.8490, -20.2410

■ 153.7390,  
-12.9270, -13.5270

■ 159.7770, -6.9220,  
-6.7140

■ 166.0000, -0.0000,  
0.0000

■ 171.9240, 6.3260,  
6.5020

# Harmonies

## Analogous

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



132.6270, 18.3020, -45.3620



116.7710, -52.6250, -54.0090



115.6360, -91.3690, -45.6810

# Triad

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



116.7710, -52.6250, -54.0090



118.2940, -123.6550, -0.1910



140.0560, 85.8240, 30.5280

# Complementary

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



116.7710, -52.6250, -54.0090



82.2290, 52.6250, 54.0090

# 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.



142.3910, 69.5440, 50.2480



116.7710, -52.6250, -54.0090



146.1490, -32.6510, 35.5810

# Square

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



116.7710, -52.6250, -54.0090



123.9870, -121.7730, -12.2770



147.9580, 28.4630, 51.3670



140.4360, 80.5570, -0.6830



# Rectangle

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



116.7710, -52.6250, -54.0090



120.5550, -103.8420, -34.3860



147.9580, 28.4630, 51.3670



140.5430, 83.2550, 38.5430

# Sweetspot

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



116.7710, -52.6250, -54.0090



197.6900, -20.3990, -21.2870



136.1870, 13.4890, -51.7510



98.1520, -12.6520, -13.0040



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.



116.7710, -52.6250, -54.0090



139.9880, -82.2380, -84.5260



124.1810, -73.4900, -33.7940



81.0380, -3.1630, -3.2510



93.2600, -58.6760, -59.9880



12.6520, -8.0680, -7.9720



# Inverse Universe

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



82.2290, 52.6250, 54.0090



86.0120, 82.2380, 84.5260



74.8190, 73.4900, 33.7940



78.9620, 3.1630, 3.2510



54.7400, 58.6760, 59.9880



7.4620, 7.7470, 8.2830



# Previews

## White Background



This preview shows how the YIQ color 116.7710, -52.6250, -54.0090 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 116.7710, -52.6250, -54.0090 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 116.7710, -52.6250, -54.0090 Background



This preview shows how black text looks on a background with the YIQ color 116.7710, -52.6250, -54.0090.



This preview shows how white text looks on a background with the YIQ color 116.7710, -52.6250, -54.0090.

-54.0090.

# 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

116.7710, -52.6250, -54.0090

### Protanopia

140.6190, 31.0890, -18.2790

### Deuteranopia

142.7050, 37.1390, -6.7730



## Tritanopia

132.3550, -55.7040, -14.7120

# Trichromacy



## Original Color

116.7710, -52.6250, -54.0090



## Protanomaly

131.9030, 0.5100, -31.2820



## Deuteranomaly

133.5710, 4.6810, -24.2710



## Tritanomaly

126.6950, -54.3260, -28.6780

# Monochromacy



## Original Color

116.7710, -52.6250, -54.0090



## Achromatopsia

117.0000, -0.0000, 0.0000



## Achromatomaly

116.9290, -19.5740, -19.7180

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 116.7710, -52.6250, -54.0090 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(33, 166, 83)` looks like.

```
.text, #text, p{  
    color:rgb(33, 166, 83)  
}
```

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(33, 166, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 166, 83) }
```

## Border

The CSS property to change the border of an element to YIQ 116.7710, -52.6250, -54.0090 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(33, 166, 83) }
```



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

```
.border{ border-color:rgb(33, 166, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 166, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 166, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 166, 83);  
box-shadow:4px 4px 4px 4px rgb(33, 166,  
83) }
```

# Background

The CSS property to change the background color of an element to YIQ 116.7710, -52.6250, -54.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 166, 83) }
```

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

```
.background{ background-color: rgb(33, 166,  
83) }
```

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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