

# Converting Colors

YIQ(52.5080, -17.3710,  
-32.1150)

Have a look what the booklet for  
YIQ(52.5080, -17.3710, -32.1150)  
contains.

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# Color

**YIQ(52.5080, -17.3710,  
-32.1150)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	104E11
RGB	16, 78, 17
RGB Percent	6%, 31%, 7%
CMY	0.9374, 0.6940, 0.9333
CMYK	0.80, 0.00, 0.78, 0.69
HSL	121°, 66%, 18%
HSV	121°, 80%, 31%
XYZ	3.0402, 5.6027, 1.4513
YIQ	52.5080, -17.3710, -32.1150

# Conversions

## Conversions Part 2

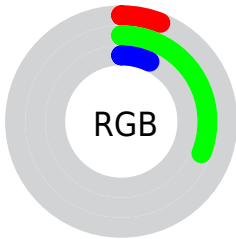
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 77, 78
Decimal	1068561
CIE Lab	28.39, -32.61, 29.11
CIE LCh	28, 43.709, 138.242
Yxy	5.6027, 0.3012, 0.5550
Android (android.graphics.Color)	4279258641 (0xFF104E11)
YUV	52.5080, -17.5054, -32.0175
Hunter-Lab	23.6699, -18.4953, 12.9337

# Details

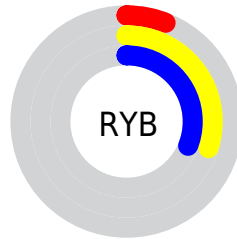
The YIQ color **52.5080, -17.3710, -32.1150** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **41.4920, 17.3710, 32.1150**, and the grayscale version is **53.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **103.2480, -13.7030, -32.5110**, and **20.5450, -9.6250, -18.3050** is the 20% darker color. If you saturate the color by 10%, you get **49.2040, -19.5710, -36.2990**, and if you desaturate by 10%, it is **55.8120, -15.1710, -27.9310**.

# Distribution



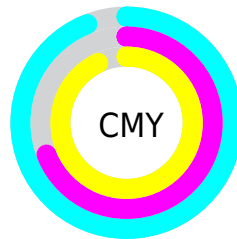
- Red (6%)
- Green (31%)
- Blue (7%)



- Red (6%)
- Yellow (30%)
- Blue (31%)



- Cyan (80%)
- Magenta (0%)
- Yellow (78%)
- Black (69%)



- Cyan (94%)
- Magenta (69%)
- Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 52.5080, -17.3710, -32.1150 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 52.5080, -17.3710, -32.1150 by changing the saturation by 10% instead.



■ 52.5080, -17.3710,  
-32.1150

■ 52.5080, -17.3710,  
-32.1150

■ 254.3160, 1.9260,  
-1.8660

■ 32.2850, -15.1250,  
-28.7650

■ 103.2480,  
-13.7030, -32.5110

■ 20.5450, -9.6250,  
-18.3050

■ 129.1340,  
-13.3820, -32.8220

■ 0.0000, 0.0000,  
0.0000

■ 155.6070,  
-13.3360, -33.6560

■ 182.9660,  
-12.9690, -34.8010

■ 210.8520,  
-12.6480, -35.1120

■ 232.8680, -9.5770,

-30.1930

■ 244.4320, -1.8770,  
-15.5490

■ 52.5080, -17.3710,  
-32.1150

■ 52.5080, -17.3710,  
-32.1150

■ 49.2040, -19.5710,  
-36.2990

■ 55.8120, -15.1710,  
-27.9310

■ 46.0140, -22.0920,  
-40.1720

■ 59.0020, -12.6500,  
-24.0580

■ 45.9000, -21.7710,  
-40.4830

■ 62.0070, -11.0460,  
-20.0860

■ 65.3110, -8.8460,  
-15.9020

■ 68.5010, -6.3250,  
-12.0290

■ 71.8050, -4.1250,  
-7.8450

■ 75.1090, -1.9250,  
-3.6610

■ 78.0000, -0.0000,  
-0.0000

■ 81.3040, 2.2000,  
4.1840

# Harmonies

## Analogous

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



61.1010, 17.7480, -24.3000



52.5080, -17.3710, -32.1150



53.4750, -38.9670, -26.1910

# Triad

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



52.5080, -17.3710, -32.1150



59.1870, -63.3180, 2.1380



61.3430, 51.1630, 25.4270

# Complementary

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



52.5080, -17.3710, -32.1150



41.4920, 17.3710, 32.1150

# 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.



64.0120, 36.3980, 34.2060



52.5080, -17.3710, -32.1150



62.0700, -40.5790, 14.0530

# Square

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



52.5080, -17.3710, -32.1150



60.2980, -59.5570, -5.4530



68.7510, 6.2760, 29.4440



62.6240, 51.0290, 5.8210



# Rectangle

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



52.5080, -17.3710, -32.1150



56.7980, -46.9460, -19.2500



68.7510, 6.2760, 29.4440



61.4230, 48.1820, 29.8940

# Sweetspot

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



52.5080, -17.3710, -32.1150



92.0880, -6.6000, -12.5520



70.6330, 19.3060, -19.4940



44.8050, -4.1250, -7.8450



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000



# Same Dimension

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



52.5080, -17.3710, -32.1150



62.1670, -27.3170, -50.1090



56.0420, -27.3220, -22.4740



36.3480, -1.1000, -2.0920



60.1020, -28.6920, -52.7240



135.4660, -64.5340, -119.0460



# Inverse Universe

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



41.4920, 17.3710, 32.1150



44.8330, 27.3170, 50.1090



37.9580, 27.3220, 22.4740



35.6520, 1.1000, 2.0920



41.8980, 28.6920, 52.7240

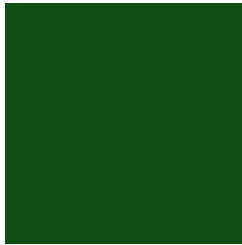


94.5340, 64.5340, 119.0460



# Previews

## White Background



This preview shows how the YIQ color 52.5080, -17.3710, -32.1150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

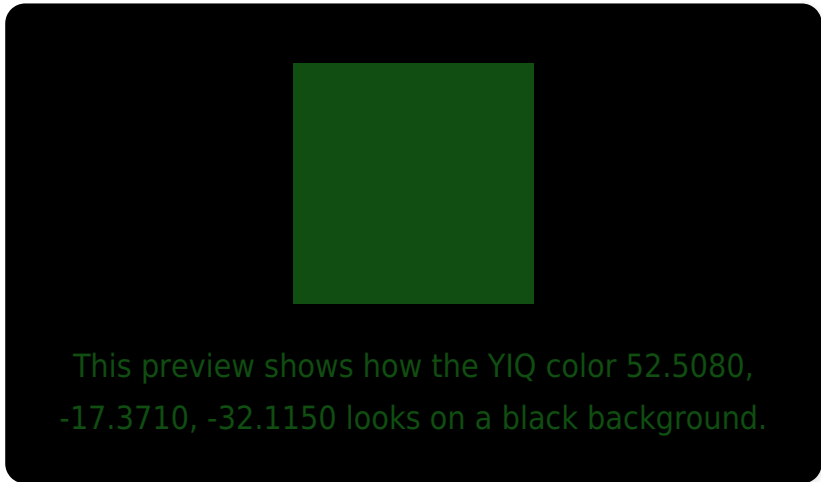
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

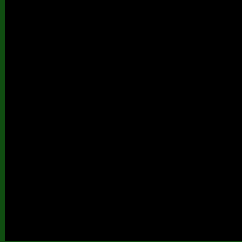
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 52.5080, -17.3710, -32.1150

## Background



This preview shows how black text looks on a background with the YIQ color 52.5080, -17.3710, -32.1150.



This preview shows how white text looks on a background with the YIQ color 52.5080, -17.3710,



# 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

52.5080, -17.3710, -32.1150

### Protanopia

63.3500, 21.7810, -14.7870

### Deuteranopia

65.3060, 25.0810, -8.5110



## Tritanopia

62.3220, -24.5740, -6.1900

# Trichromacy



## Original Color

52.5080, -17.3710, -32.1150

## Protanomaly

59.5330, 7.8440, -21.0200

## Deuteranomaly

60.5380, 9.4480, -17.0480

## Tritanomaly

58.7810, -21.9130, -15.8730

# Monochromacy



## Original Color

52.5080, -17.3710, -32.1150

## Achromatopsia

53.0000, -0.0000, -0.0000

## Achromatomaly

52.9140, -6.0500, -11.5060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 52.5080, -17.3710, -32.1150 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(16, 78, 17)` looks like.

```
.text, #text, p{  
    color:rgb(16, 78, 17)  
}
```

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(16, 78, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 78, 17) }
```

## Border

The CSS property to change the border of an element to YIQ 52.5080, -17.3710, -32.1150 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(16, 78, 17) }
```



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

```
.border{ border-color:rgb(16, 78, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 78, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 78, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 78, 17);  
box-shadow:4px 4px 4px 4px rgb(16, 78, 17)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 52.5080, -17.3710, -32.1150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 78, 17) }
```

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

```
.background{ background-color: rgb(16, 78,  
17) }
```

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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