

# Converting Colors

YIQ(55.1090, 15.2700, -12.4260)

Have a look what the booklet for  
YIQ(55.1090, 15.2700, -12.4260)  
contains.

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# Color

**YIQ(55.1090, 15.2700,  
-12.4260)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3E3B11
RGB	62, 59, 17
RGB Percent	24%, 23%, 7%
CMY	0.7569, 0.7686, 0.9332
CMYK	0.00, 0.05, 0.73, 0.76
HSL	56°, 57%, 15%
HSV	56°, 73%, 24%
XYZ	3.6516, 4.1923, 1.1480
YIQ	55.1090, 15.2700, -12.4260

# Conversions

## Conversions Part 2

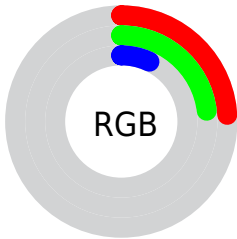
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	20, 62, 17
Decimal	4078353
CIE Lab	24.30, -4.98, 25.62
CIE LCh	24, 26.102, 101.003
Yxy	4.1923, 0.4061, 0.4662
Android (android.graphics.Color)	4282268433 (0xFF3E3B11)
YUV	55.1090, -18.7877, 6.0434
Hunter-Lab	20.4751, -3.9976, 11.0082

# Details

The YIQ color **55.1090, 15.2700, -12.4260** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **23.8910, -15.2700, 12.4260**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **102.4790, 17.1040, -12.6240**, and **13.2680, 1.8810, -6.5590** is the 20% darker color. If you saturate the color by 10%, you get **54.4250, 17.1960, -14.2920**, and if you desaturate by 10%, it is **55.7930, 13.3440, -10.5600**.

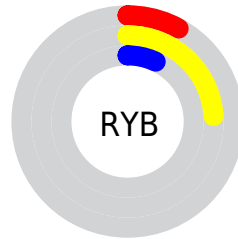
# Distribution



Red (24%)

Green (23%)

Blue (7%)



Red (8%)

Yellow (24%)

Blue (7%)

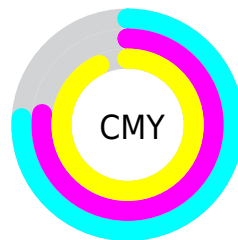


Cyan (0%)

Magenta (5%)

Yellow (73%)

Black (76%)



Cyan (76%)

Magenta (77%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 55.1090, 15.2700, -12.4260 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 55.1090, 15.2700, -12.4260 by changing the saturation by 10% instead.



■ 55.1090, 15.2700,  
-12.4260

■ 55.1090, 15.2700,  
-12.4260

■ 253.9740, 2.8890,  
-2.7990

■ 33.6790, 13.6650,  
-10.8710

■ 102.4790, 17.1040,  
-12.6240

■ 13.2680, 1.8810,  
-6.5590

■ 127.5500, 18.3420,  
-13.0340

■ 0.0000, 0.0000,  
0.0000

■ 153.7350, 19.2590,  
-13.1330

■ 180.6210, 19.5800,  
-13.4440

■ 208.6920, 20.8180,  
-13.8540

■ 236.5780, 21.1390,

-14.1650

■ 250.6680, 12.1980,  
-11.8180

■ 55.1090, 15.2700,  
-12.4260

■ 55.1090, 15.2700,  
-12.4260

■ 54.4250, 17.1960,  
-14.2920

■ 55.7930, 13.3440,  
-10.5600

■ 53.1540, 19.3970,  
-15.6350

■ 57.0640, 11.1430,  
-9.2170

■ 52.5840, 21.0020,  
-17.1900

■ 57.8620, 8.8960,  
-7.0400

■ 59.1330, 6.6950,  
-5.6970

■ 59.8170, 4.7690,  
-3.8310

■ 60.5010, 2.8430,  
-1.9650

■ 61.7720, 0.6420,  
-0.6220

■ 62.5700, -1.6050,  
1.5550

■ 63.8410, -3.8060,  
2.8980

# Harmonies

## Analogous

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



56.4250, 26.3640, -4.2280



55.1090, 15.2700, -12.4260



52.9050, -1.8310, -16.3830

# Triad

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



55.1090, 15.2700, -12.4260



48.7910, -45.0680, -9.2280



59.3480, 17.2360, 18.0360

# Complementary

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



55.1090, 15.2700, -12.4260



23.8910, -15.2700, 12.4260

# 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.



59.6000, -1.1490, 15.3230



55.1090, 15.2700, -12.4260



47.8110, -47.8200, -3.4040

# Square

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



55.1090, 15.2700, -12.4260



47.3260, -39.5650, -15.3490



55.1670, -25.0350, 7.6770



57.9870, 28.3780, 14.3460



# Rectangle

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



55.1090, 15.2700, -12.4260



49.3530, -17.8320, -18.2480



55.1670, -25.0350, 7.6770



59.7110, 11.7800, 17.7960

# Sweetspot

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



55.1090, 15.2700, -12.4260



78.7740, 6.3280, -4.5520



30.7970, 25.8570, 10.4730



39.1590, 3.8060, -2.8980



168.0000, -0.0000, -0.0000



41.0000, 0.0000, -0.0000



# Same Dimension

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



55.1090, 15.2700, -12.4260



70.9710, 24.1660, -19.4660



51.1890, 3.1210, -18.0230



30.0710, 1.2380, -0.4100



79.7620, 31.8240, -26.0960



187.8870, 75.3870, -61.1970



# Inverse Universe

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



23.8910, -15.2700, 12.4260



21.4420, -23.8910, 19.9890



28.1100, -2.5250, 18.2350



28.3420, -0.9630, 0.9330



14.2380, -31.8240, 26.0960

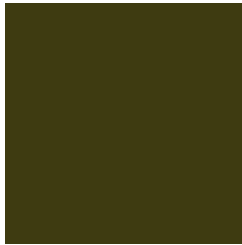


34.1130, -75.3870, 61.1970



# Previews

## White Background



This preview shows how the YIQ color 55.1090, 15.2700, -12.4260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

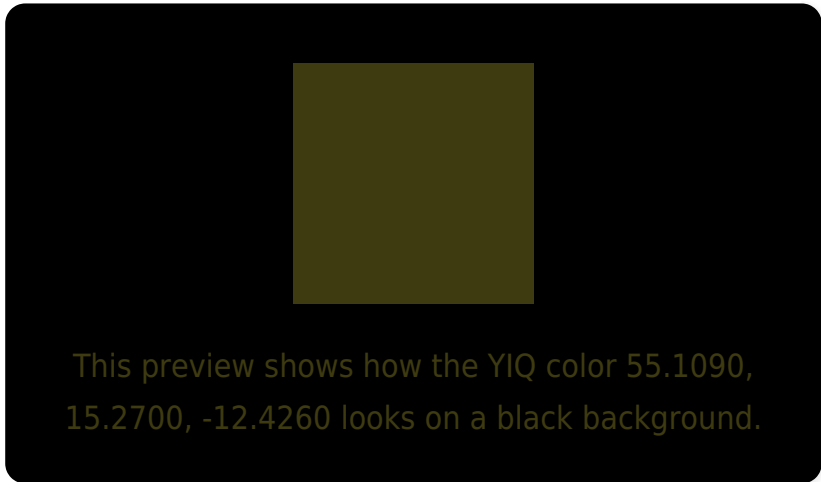
Any Text WCAG AA ✓ Pass

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

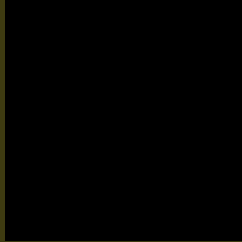
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 55.1090, 15.2700, -12.4260

## Background



This preview shows how black text looks on a background with the YIQ color 55.1090, 15.2700, -12.4260.



This preview shows how white text looks on a background with the YIQ color 55.1090, 15.2700, -12.4260.

-12.4260.

# 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

55.1090, 15.2700, -12.4260

### Protanopia

55.4190, 17.3330, -11.2670

### Deuteranopia

55.9790, 21.6880, -7.5920



## Tritanopia

58.4460, 4.6760, 3.3640

# Trichromacy



## Original Color

55.1090, 15.2700, -12.4260

## Protanomaly

55.1200, 16.7370, -11.4790

## Deuteranomaly

55.2560, 19.3500, -9.2740

## Tritanomaly

57.0240, 8.6200, -2.0360

# Monochromacy



## Original Color

55.1090, 15.2700, -12.4260

## Achromatopsia

55.0000, 0.0000, 0.0000

## Achromatomaly

54.8880, 6.0070, -4.2410

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 55.1090, 15.2700, -12.4260 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(62, 59, 17)` looks like.

```
.text, #text, p{  
    color:rgb(62, 59, 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(62, 59, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 59, 17) }
```

## Border

The CSS property to change the border of an element to YIQ 55.1090, 15.2700, -12.4260 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(62, 59, 17) }
```



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

```
.border{ border-color:rgb(62, 59, 17) }
```

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

Here you see how a box with a 4 pixel rgb(62, 59, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 59, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 59, 17);  
box-shadow:4px 4px 4px 4px rgb(62, 59, 17)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 55.1090, 15.2700, -12.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 59, 17) }
```

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

```
.background{ background-color: rgb(62, 59,  
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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