

# Converting Colors

YIQ(55.3650, 19.7070, 44.8510)

Have a look what the booklet for  
YIQ(55.3650, 19.7070, 44.8510)  
contains.

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# Color

**YIQ(55.3650, 19.7070,  
44.8510)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66156E
RGB	102, 21, 110
RGB Percent	40%, 8%, 43%
CMY	0.5997, 0.9178, 0.5686
CMYK	0.07, 0.81, 0.00, 0.57
HSL	295°, 68%, 26%
HSV	295°, 81%, 43%
XYZ	8.5688, 4.4894, 15.1674
YIQ	55.3650, 19.7070, 44.8510

# Conversions

## Conversions Part 2

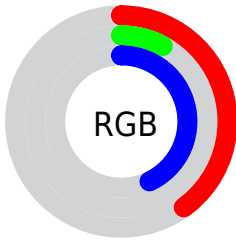
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 21, 110
Decimal	6690158
CIE <sub>Lab</sub>	25.23, 46.49, -32.59
CIE <sub>LCh</sub>	25, 56.780, 324.967
Yxy	4.4894, 0.3036, 0.1591
Android (android.graphics.Color)	4284880238 (0xFF66156E)
YUV	55.3650, 26.9351, 40.8989
Hunter-Lab	21.1882, 35.1085, -27.6106

# Details

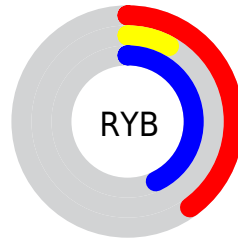
The YIQ color **55.3650, 19.7070, 44.8510** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **75.6350, -19.7070, -44.8510**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **109.1370, 20.3490, 44.2290**, and **22.3170, 10.4940, 30.0940** is the 20% darker color. If you saturate the color by 10%, you get **48.6090, 22.1360, 50.3920**, and if you desaturate by 10%, it is **62.1210, 17.2780, 39.3100**.

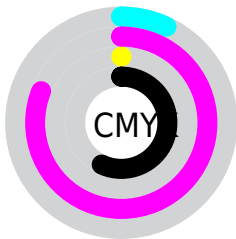
# Distribution



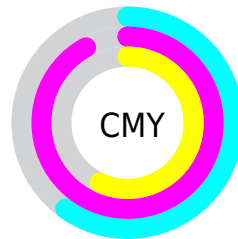
- Red (40%)
- Green (8%)
- Blue (43%)



- Red (40%)
- Yellow (8%)
- Blue (43%)



- Cyan (7%)
- Magenta (81%)
- Yellow (0%)
- Black (57%)



- Cyan (60%)
- Magenta (92%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 55.3650, 19.7070, 44.8510 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 55.3650, 19.7070, 44.8510 by changing the saturation by 10% instead.



■ 55.3650, 19.7070,  
44.8510

■ 55.3650, 19.7070,  
44.8510

■ 255.0000, -0.0000,  
-0.0000

■ 32.4140, 18.0110,  
42.5470

■ 109.1370, 20.3490,  
44.2290

■ 22.3170, 10.4940,  
30.0940

■ 135.8490, 21.2200,  
44.9640

■ 12.5190, 3.5730,  
17.8530

■ 162.6750, 21.7700,  
46.0100

■ 2.4110, -5.4110,  
4.4530


■ 190.5010, 22.3200,  
47.0560


■ 0.0000, 0.0000,  
0.0000


■ 212.1490, 20.0750,  
38.1790


■ 228.5850, 12.3750,


23.5350


 245.6080, 4.4000,  
8.3680


 55.3650, 19.7070,  
44.8510


 55.3650, 19.7070,  
44.8510

 48.6090, 22.1360,  
50.3920


 62.1210, 17.2780,  
39.3100

 42.4400, 24.2900,  
55.4100

 68.8770, 14.8490,  
33.7690

 75.6330, 12.4200,  
28.2280

 82.3890, 9.9910,  
22.6870

 89.1450, 7.5620,  
17.1460

■ 95.9010, 5.1330,  
11.6050

■ 102.6570, 2.7040,  
6.0640

■ 109.4130, 0.2750,  
0.5230

■ 116.1690, -2.1540,  
-5.0180

# Harmonies

## Analogous

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



52.9480, -45.8070, 20.6970



55.3650, 19.7070, 44.8510



46.4370, 54.7350, 48.8070

# Triad

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



55.3650, 19.7070, 44.8510



56.7920, 32.2800, -12.3280



56.0290, -51.6700, -10.7260

# Complementary

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



55.3650, 19.7070, 44.8510



75.6350, -19.7070, -44.8510

# 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.



50.4260, -37.2710, -23.8870



55.3650, 19.7070, 44.8510



51.5770, 4.5440, -27.2960

# Square

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



55.3650, 19.7070, 44.8510



53.1470, 56.8060, 5.7500



43.4380, -20.3500, -38.7020



58.9590, -62.6760, 1.5160



# Rectangle

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



55.3650, 19.7070, 44.8510



43.8430, 64.9150, 40.5230



43.4380, -20.3500, -38.7020



54.4330, -47.1760, -15.0800

# Sweetspot

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



55.3650, 19.7070, 44.8510



122.1450, 7.5620, 17.1460



36.4290, -31.0440, 22.9720



58.9610, 4.9040, 10.2480



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



55.3650, 19.7070, 44.8510



57.5200, 30.4770, 69.9410



53.6530, 36.0310, 35.3510



52.4780, 1.6500, 3.1380



46.2710, 26.4440, 60.4280



95.4330, 54.8130, 124.5170



# Inverse Universe

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



48.5230, 50.4760, 21.3560



47.0430, 78.6710, 33.5110



77.3470, -36.0310, -35.3510



51.9080, 3.2550, 1.5830



37.1340, 67.9890, 28.8610

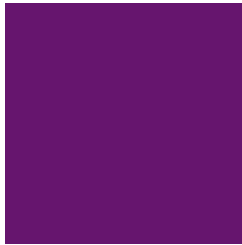


76.3610, 140.1500, 59.2060



# Previews

## White Background



This preview shows how the YIQ color 55.3650, 19.7070, 44.8510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

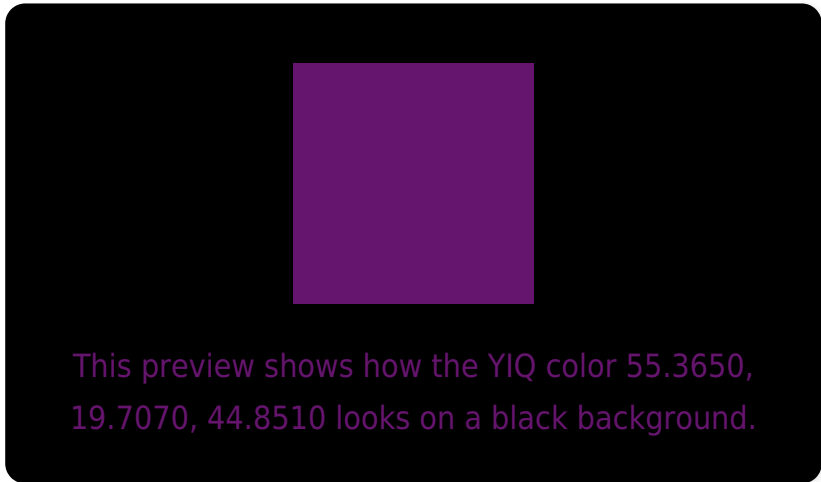
Any Text WCAG AA ✓ Pass

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

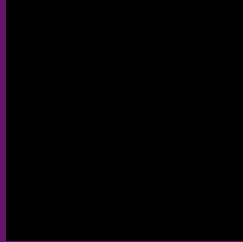
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 55.3650, 19.7070, 44.8510

## Background



This preview shows how black text looks on a background with the YIQ color 55.3650, 19.7070, 44.8510.



This preview shows how white text looks on a background with the YIQ color 55.3650, 19.7070,



# 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

55.3650, 19.7070, 44.8510

### Protanopia

48.9970, -56.6710, 8.3290

### Deuteranopia

57.8180, -31.3620, 6.7020



## Tritanopia

61.1070, 27.9200, 11.6320

# Trichromacy



## Original Color

55.3650, 19.7070, 44.8510

## Protanomaly

51.1580, -28.8430, 21.6290

## Deuteranomaly

56.7160, -12.9790, 20.4690

## Tritanomaly

59.2290, 25.1210, 23.8170

# Monochromacy



## Original Color

55.3650, 19.7070, 44.8510

## Achromatopsia

55.0000, 0.0000, 0.0000

## Achromatomaly

55.3190, 7.0120, 16.1000

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 55.3650, 19.7070, 44.8510 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(102, 21, 110)` looks like.

```
.text, #text, p{  
    color:rgb(102, 21, 110)  
}
```

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(102, 21, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 21, 110) }
```

## Border

The CSS property to change the border of an element to YIQ 55.3650, 19.7070, 44.8510 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(102, 21, 110) }
```



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

```
.border{ border-color:rgb(102, 21, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 21, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 21, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 21, 110);  
box-shadow:4px 4px 4px 4px rgb(102, 21,  
110) }
```

# Background

The CSS property to change the background color of an element to YIQ 55.3650, 19.7070, 44.8510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 21, 110) }
```

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

```
.background{ background-color: rgb(102, 21,  
110) }
```

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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