

# Converting Colors

YIQ(63.5800, 10.7710, 19.5630)

Have a look what the booklet for  
YIQ(63.5800, 10.7710, 19.5630)  
contains.

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# Color

**YIQ(63.5800, 10.7710,  
19.5630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	563055
RGB	86, 48, 85
RGB Percent	34%, 19%, 33%
CMY	0.6626, 0.8118, 0.6667
CMYK	0.00, 0.44, 0.01, 0.66
HSL	302°, 28%, 26%
HSV	302°, 44%, 34%
XYZ	6.5366, 4.7483, 9.1671
YIQ	63.5800, 10.7710, 19.5630

# Conversions

## Conversions Part 2

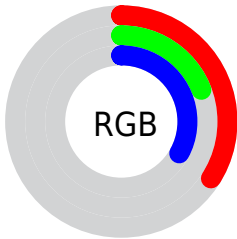
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 48, 85
Decimal	5648469
CIE <sub>Lab</sub>	26.01, 23.79, -15.23
CIE <sub>LCh</sub>	26, 28.253, 327.371
Yxy	4.7483, 0.3196, 0.2322
Android (android.graphics.Color)	4283838549 (0xFF563055)
YUV	63.5800, 10.5601, 19.6623
Hunter-Lab	21.7907, 15.4109, -9.6891

# Details

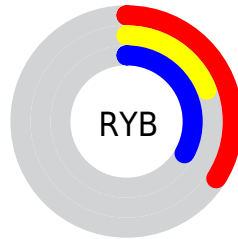
The YIQ color **63.5800, 10.7710, 19.5630** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **70.4200, -10.7710, -19.5630**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.1180, 12.1920, 21.3440**, and **17.9820, 9.5790, 19.1390** is the 20% darker color. If you saturate the color by 10%, you get **58.2970, 13.2460, 24.2700**, and if you desaturate by 10%, it is **68.8630, 8.2960, 14.8560**.

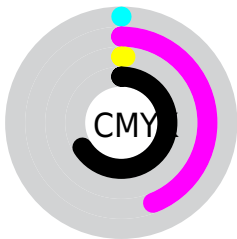
# Distribution



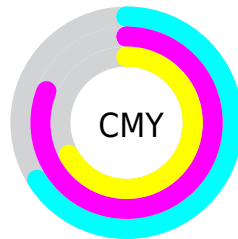
- Red (34%)
- Green (19%)
- Blue (33%)



- Red (34%)
- Yellow (19%)
- Blue (33%)



- Cyan (0%)
- Magenta (44%)
- Yellow (1%)
- Black (66%)



- Cyan (66%)
- Magenta (81%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 63.5800, 10.7710, 19.5630 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 63.5800, 10.7710, 19.5630 by changing the saturation by 10% instead.



63.5800, 10.7710,  
19.5630

63.5800, 10.7710,  
19.5630

255.0000, -0.0000,  
-0.0000

40.8680, 9.9000,  
18.8280

112.1180, 12.1920,  
21.3440

17.9820, 9.5790,  
19.1390

137.5310, 12.4670,  
21.8670

4.4440, -1.0100,  
7.2940

164.2430, 13.3380,  
22.6020

0.0000, 0.0000,  
0.0000

191.6560, 13.6130,  
23.1250

219.6560, 13.6130,  
23.1250

239.7380, 7.1500,

13.5980

■ 63.5800, 10.7710,  
19.5630

■ 63.5800, 10.7710,  
19.5630

■ 58.2970, 13.2460,  
24.2700

■ 68.8630, 8.2960,  
14.8560

■ 53.6010, 15.4460,  
28.4540

■ 73.5590, 6.0960,  
10.6720

■ 48.2040, 18.2420,  
32.8500

■ 78.9560, 3.3000,  
6.2760

■ 43.5080, 20.4420,  
37.0340

■ 83.6520, 1.1000,  
2.0920

■ 38.2250, 22.9170,  
41.7410

■ 88.9350, -1.3750,  
-2.6150

■ 35.2900, 24.2920,  
44.3560

■ 94.2180, -3.8500,  
-7.3220

■ 99.0280, -6.3710,  
-11.1950

■ 104.3110, -8.8460,  
-15.9020

■ 109.0070,  
-11.0460, -20.0860

# Harmonies

## Analogous

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



62.5000, -12.6110, 13.7970



63.5800, 10.7710, 19.5630



62.1380, 26.6350, 18.4030

# Triad

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



63.5800, 10.7710, 19.5630



59.4690, 23.0640, -10.5040



51.4980, -45.8010, -12.4650

# Complementary

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



63.5800, 10.7710, 19.5630



70.4200, -10.7710, -19.5630

# 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.



48.9900, -38.7390, -19.3070



63.5800, 10.7710, 19.5630



57.2820, 7.2930, -16.5390

# Square

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



63.5800, 10.7710, 19.5630



60.6970, 31.5900, 0.1820



53.0820, -15.6310, -19.5910



52.1480, -50.3870, -6.4430



# Rectangle

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



63.5800, 10.7710, 19.5630



61.1400, 32.3210, 14.4730



53.0820, -15.6310, -19.5910



50.7000, -43.5540, -14.6420

# Sweetspot

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



63.5800, 10.7710, 19.5630



103.7820, 3.8500, 7.3220



52.6310, -11.6020, 12.0300



50.7170, 2.4750, 4.7070



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000



# Same Dimension

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



63.5800, 10.7710, 19.5630



77.2530, 16.5460, 30.5460



61.4140, 16.8700, 13.6540



40.6520, 1.1000, 2.0920



43.8490, 30.3880, 55.0280



96.2570, 66.8720, 120.7280



# Inverse Universe

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



63.5800, 10.7710, 19.5630



77.2530, 16.5460, 30.5460



72.5860, -16.8700, -13.6540



40.6520, 1.1000, 2.0920



43.8490, 30.3880, 55.0280

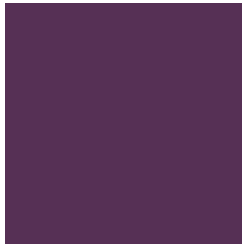


96.2570, 66.8720, 120.7280



# Previews

## White Background



This preview shows how the YIQ color 63.5800, 10.7710, 19.5630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

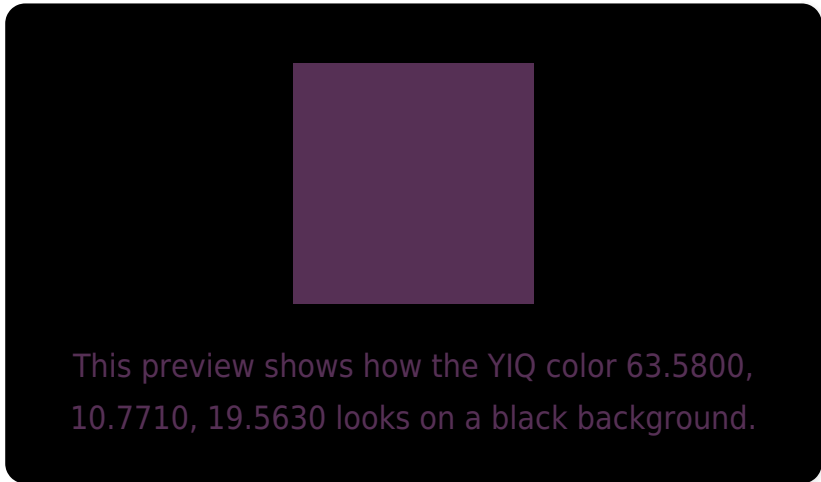
Any Text WCAG AA ✓ Pass

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

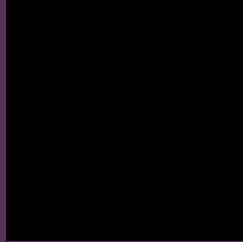
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 63.5800, 10.7710, 19.5630

## Background



This preview shows how black text looks on a background with the YIQ color 63.5800, 10.7710, 19.5630.



This preview shows how white text looks on a background with the YIQ color 63.5800, 10.7710,



# 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

63.5800, 10.7710, 19.5630

### Protanopia

61.5870, -17.4700, 8.2420

### Deuteranopia

62.3120, -9.4460, 5.9940



## Tritanopia

63.1270, 16.0000, 7.3920

# Trichromacy



## Original Color

63.5800, 10.7710, 19.5630

## Protanomaly

62.0830, -7.0630, 12.3690

## Deuteranomaly

62.7800, -1.8360, 11.2520

## Tritanomaly

63.3920, 13.9360, 11.7600

# Monochromacy



## Original Color

63.5800, 10.7710, 19.5630

## Achromatopsia

64.0000, -0.0000, -0.0000

## Achromatomaly

63.7820, 3.8500, 7.3220

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 63.5800, 10.7710, 19.5630 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(86, 48, 85)` looks like.

```
.text, #text, p{  
    color:rgb(86, 48, 85)  
}
```

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(86, 48, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 48, 85) }
```

## Border

The CSS property to change the border of an element to YIQ 63.5800, 10.7710, 19.5630 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(86, 48, 85) }
```



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

```
.border{ border-color:rgb(86, 48, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 48, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 48, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 48, 85);  
box-shadow:4px 4px 4px 4px rgb(86, 48, 85)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 63.5800, 10.7710, 19.5630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 48, 85) }
```

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

```
.background{ background-color: rgb(86, 48,  
85) }
```

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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