

# Converting Colors

YIQ(60.1310, 19.3450, 18.3610)

Have a look what the booklet for  
YIQ(60.1310, 19.3450, 18.3610)  
contains.

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# Color

**YIQ(60.1310, 19.3450,  
18.3610)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5A2B46
RGB	90, 43, 70
RGB Percent	35%, 17%, 27%
CMY	0.6469, 0.8314, 0.7254
CMYK	0.00, 0.52, 0.22, 0.65
HSL	326°, 35%, 26%
HSV	326°, 52%, 35%
XYZ	6.1887, 4.3440, 6.3090
YIQ	60.1310, 19.3450, 18.3610

# Conversions

## Conversions Part 2

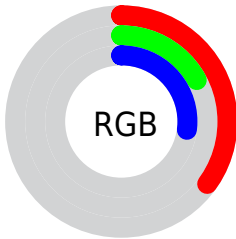
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	90, 43, 70
Decimal	5909318
CIE Lab	24.78, 25.39, -7.09
CIE LCh	25, 26.357, 344.404
Yxy	4.3440, 0.3675, 0.2579
Android (android.graphics.Color)	4284099398 (0xFF5A2B46)
YUV	60.1310, 4.8654, 26.1951
Hunter-Lab	20.8423, 16.5284, -3.3576

# Details

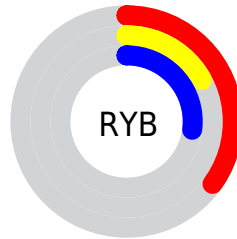
The YIQ color **60.1310, 19.3450, 18.3610** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **72.8690, -19.3450, -18.3610**, and the grayscale version is **60.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **108.4410, 21.4080, 19.5200**, and **15.9350, 16.9610, 17.5130** is the 20% darker color. If you saturate the color by 10%, you get **54.3920, 23.1040, 21.8240**, and if you desaturate by 10%, it is **65.8700, 15.5860, 14.8980**.

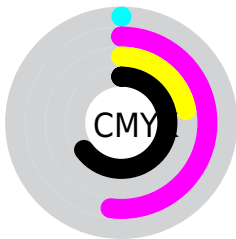
# Distribution



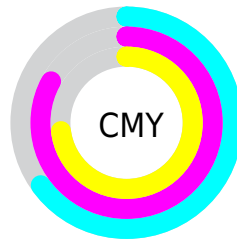
- Red (35%)
- Green (17%)
- Blue (27%)



- Red (35%)
- Yellow (17%)
- Blue (27%)



- Cyan (0%)
- Magenta (52%)
- Yellow (22%)
- Black (65%)



- Cyan (65%)
- Magenta (83%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 60.1310, 19.3450, 18.3610 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 60.1310, 19.3450, 18.3610 by changing the saturation by 10% instead.



60.1310, 19.3450,  
18.3610

60.1310, 19.3450,  
18.3610

255.0000, -0.0000,  
-0.0000

36.9460, 18.4280,  
18.4600

108.7400, 22.0040,  
19.7320

15.9350, 16.9610,  
17.5130

134.1530, 22.2790,  
20.2550

2.0930, 4.1720,  
1.4840

160.7510, 23.4710,  
20.6790

0.0000, 0.0000,  
0.0000

188.1640, 23.7460,  
21.2020

215.8760, 24.6170,  
21.9370

236.1020, 9.1210,

16.4250

253.2390, 0.8250,  
1.5690

60.1310, 19.3450,  
18.3610

60.1310, 19.3450,  
18.3610

54.3920, 23.1040,  
21.8240

65.8700, 15.5860,  
14.8980

48.6530, 26.8630,  
25.2870

71.6090, 11.8270,  
11.4350

43.0280, 30.3010,  
29.0610

77.3480, 8.0680,  
7.9720

37.2890, 34.0600,  
32.5240

82.9730, 4.6300,  
4.1980

32.8380, 36.9480,  
35.2520

88.7120, 0.8710,  
0.7350

■ 94.4510, -2.8880,  
-2.7280

■ 100.1900, -6.6470,  
-6.1910

■ 105.9290,  
-10.4060, -9.6540

■ 111.5540,  
-13.8440, -13.4280

# Harmonies

## Analogous

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



60.7960, 1.2350, 16.1710



60.1310, 19.3450, 18.3610



59.0580, 29.6160, 13.9360

# Triad

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



60.1310, 19.3450, 18.3610



56.0980, 13.8030, -13.3730



49.1330, -46.0310, -8.2950

# Complementary

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



60.1310, 19.3450, 18.3610



72.8690, -19.3450, -18.3610

# 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.



48.2550, -40.8030, -14.9390



60.1310, 19.3450, 18.3610



53.1220, -3.9400, -16.7080

# Square

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



60.1310, 19.3450, 18.3610



57.5990, 25.8140, -5.2740



45.2740, -33.7870, -20.9470



48.6260, -48.7370, -3.3050



# Rectangle

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



60.1310, 19.3450, 18.3610



58.1520, 32.0470, 8.4230



45.2740, -33.7870, -20.9470



49.1500, -44.7010, -10.3730

# Sweetspot

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



60.1310, 19.3450, 18.3610



105.5220, 7.5180, 6.9260



54.3380, -3.1670, 18.8570



51.9730, 4.6300, 4.1980



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000



# Same Dimension

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



60.1310, 19.3450, 18.3610



70.0280, 30.3010, 29.0610



57.5090, 26.7280, 11.2080



42.8370, 2.0170, 1.9930



40.0720, 45.3370, 42.9130



86.3670, 97.5960, 92.5400



# Inverse Universe

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



60.1310, 19.3450, 18.3610



70.0280, 30.3010, 29.0610



75.4910, -26.7280, -11.2080



42.8370, 2.0170, 1.9930



40.0720, 45.3370, 42.9130

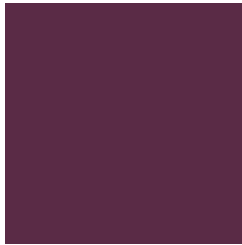


86.3670, 97.5960, 92.5400



# Previews

## White Background



This preview shows how the YIQ color 60.1310, 19.3450, 18.3610 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

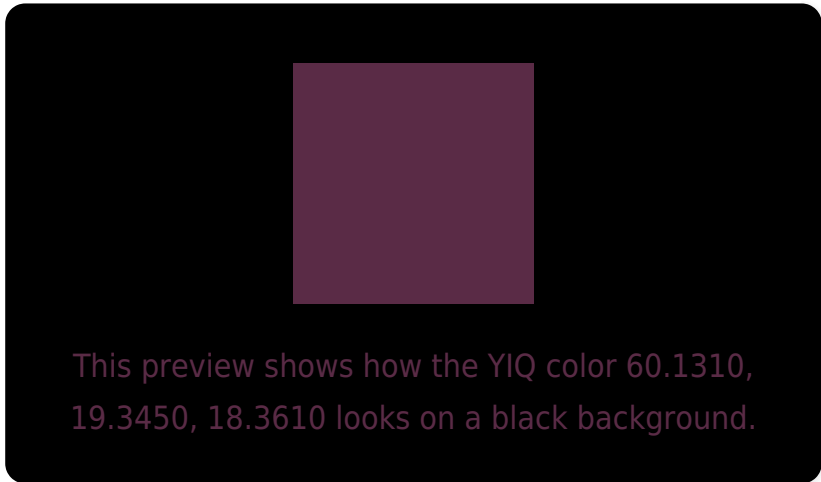
Any Text WCAG AA ✓ Pass

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

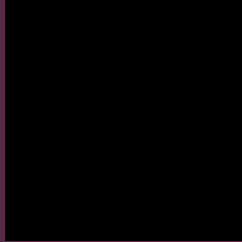
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 60.1310, 19.3450, 18.3610

## Background



This preview shows how black text looks on a background with the YIQ color 60.1310, 19.3450, 18.3610.



This preview shows how white text looks on a background with the YIQ color 60.1310, 19.3450,



# 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

60.1310, 19.3450, 18.3610

### Protanopia

59.7140, -10.6380, 5.5700

### Deuteranopia

60.0370, -1.4220, 3.7460



## Tritanopia

59.7150, 23.1520, 9.9360

# Trichromacy



## Original Color

60.1310, 19.3450, 18.3610

## Protanomaly

59.6230, 0.0440, 10.2200

## Deuteranomaly

60.5050, 6.1880, 9.0040

## Tritanomaly

60.2250, 21.7760, 12.8480

# Monochromacy



## Original Color

60.1310, 19.3450, 18.3610

## Achromatopsia

60.0000, -0.0000, -0.0000

## Achromatomaly

60.2230, 6.9220, 6.7140

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 60.1310, 19.3450, 18.3610 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(90, 43, 70)` looks like.

```
.text, #text, p{  
    color:rgb(90, 43, 70)  
}
```

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(90, 43, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 43, 70) }
```

## Border

The CSS property to change the border of an element to YIQ 60.1310, 19.3450, 18.3610 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(90, 43, 70) }
```



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

```
.border{ border-color:rgb(90, 43, 70) }
```

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

Here you see how a box with a 4 pixel rgb(90, 43, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 43, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 43, 70);  
box-shadow:4px 4px 4px 4px rgb(90, 43, 70)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 60.1310, 19.3450, 18.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 43, 70) }
```

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

```
.background{ background-color: rgb(90, 43,  
70) }
```

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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