

# Converting Colors

YIQ(65.5050, 33.6920, 39.1960)

Have a look what the booklet for  
YIQ(65.5050, 33.6920, 39.1960)  
contains.

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# Color

**YIQ(65.5050, 33.6920,  
39.1960)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A1F5F
RGB	122, 31, 95
RGB Percent	48%, 12%, 37%
CMY	0.5213, 0.8786, 0.6274
CMYK	0.00, 0.75, 0.22, 0.52
HSL	318°, 60%, 30%
HSV	318°, 75%, 48%
XYZ	10.5908, 5.9469, 11.4213
YIQ	65.5050, 33.6920, 39.1960

# Conversions

## Conversions Part 2

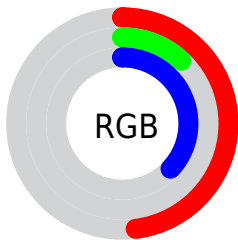
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 31, 95
Decimal	8003423
CIE <sub>Lab</sub>	29.28, 45.44, -16.26
CIE <sub>LCh</sub>	29, 48.258, 340.314
Yxy	5.9469, 0.3788, 0.2127
Android (android.graphics.Color)	4286193503 (0xFF7A1F5F)
YUV	65.5050, 14.5410, 49.5461
Hunter-Lab	24.3864, 34.8452, -10.6978

# Details

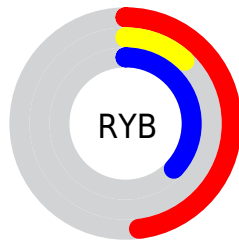
The YIQ color **65.5050, 33.6920, 39.1960** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **87.4950, -33.6920, -39.1960**, and the grayscale version is **65.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **118.8750, 35.5260, 38.9980**, and **26.2170, 25.3950, 29.8670** is the 20% darker color. If you saturate the color by 10%, you get **58.0050, 38.2760, 44.2280**, and if you desaturate by 10%, it is **73.0050, 29.1080, 34.1640**.

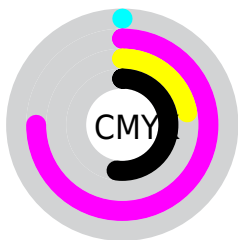
# Distribution



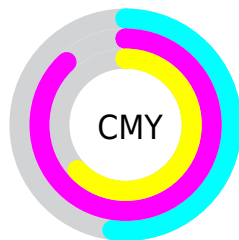
- Red (48%)
- Green (12%)
- Blue (37%)



- Red (48%)
- Yellow (12%)
- Blue (37%)



- Cyan (0%)
- Magenta (75%)
- Yellow (22%)
- Black (52%)



- Cyan (52%)
- Magenta (88%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 65.5050, 33.6920, 39.1960 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 65.5050, 33.6920, 39.1960 by changing the saturation by 10% instead.



65.5050, 33.6920,  
39.1960

65.5050, 33.6920,  
39.1960

255.0000, -0.0000,  
-0.0000

36.4990, 33.8290,  
42.2210

118.8750, 35.5260,  
38.9980

26.2170, 25.3950,  
29.8670

145.7720, 37.3140,  
39.6340

17.2450, 19.0240,  
18.6720

173.4840, 38.1850,  
40.3690

0.0000, 0.0000,  
0.0000

198.5050, 33.6920,  
39.1960

218.0190, 17.3250,  
32.9490

235.0420, 9.3500,

17.7820

252.0650, 1.3750,  
2.6150

65.5050, 33.6920,  
39.1960

65.5050, 33.6920,  
39.1960

58.0050, 38.2760,  
44.2280

73.0050, 29.1080,  
34.1640

50.6190, 42.5390,  
49.5710

80.3910, 24.8450,  
28.8210

46.2820, 45.1060,  
52.6100

88.4780, 19.9860,  
23.2660

95.9780, 15.4020,  
18.2340

103.3640, 11.1390,  
12.8910

■ 110.8640, 6.5550,  
7.8590

■ 118.2500, 2.2920,  
2.5160

■ 126.3370, -2.5670,  
-3.0390

■ 133.8370, -7.1510,  
-8.0710

# Harmonies

## Analogous

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



70.4170, -4.4070, 30.3210



65.5050, 33.6920, 39.1960



59.5920, 55.1960, 34.9400

# Triad

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



65.5050, 33.6920, 39.1960



63.5040, 23.9830, -21.6570



62.6460, -60.6570, -7.5450

# Complementary

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



65.5050, 33.6920, 39.1960



87.4950, -33.6920, -39.1960

# 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.



59.1290, -49.3760, -19.2640



65.5050, 33.6920, 39.1960



55.6310, -4.7160, -35.6920

# Square

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



65.5050, 33.6920, 39.1960



65.1420, 46.0340, -8.2860



54.0960, -36.5820, -30.8700



62.9200, -66.9400, 1.7000



# Rectangle

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



65.5050, 33.6920, 39.1960



61.8290, 58.3620, 21.6100



54.0960, -36.5820, -30.8700



61.9790, -57.4010, -11.4890

# Sweetspot

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



65.5050, 33.6920, 39.1960



136.3150, 12.8350, 15.1950



49.1480, -13.7150, 33.8130



65.9890, 7.7010, 9.1170



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

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



65.5050, 33.6920, 39.1960



69.8580, 52.5320, 61.2040



60.4890, 47.8160, 25.5120



57.2500, 2.2920, 2.5160



47.4070, 46.2520, 53.8680



95.6400, 93.0540, 108.7820



# Inverse Universe

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



65.5050, 33.6920, 39.1960



69.8580, 52.5320, 61.2040



92.5110, -47.8160, -25.5120



57.2500, 2.2920, 2.5160



47.4070, 46.2520, 53.8680



95.6400, 93.0540, 108.7820



# Previews

## White Background



This preview shows how the YIQ color 65.5050, 33.6920, 39.1960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

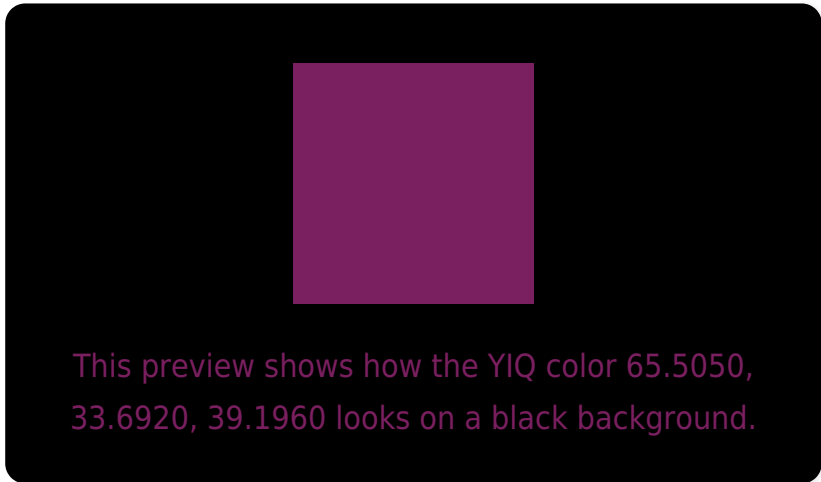
Any Text WCAG AA ✓ Pass

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

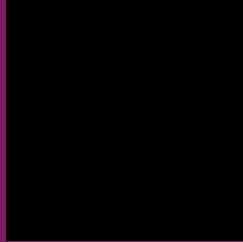
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 65.5050, 33.6920, 39.1960

## Background



This preview shows how black text looks on a background with the YIQ color 65.5050, 33.6920, 39.1960.



This preview shows how white text looks on a background with the YIQ color 65.5050, 33.6920,



# 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

65.5050, 33.6920, 39.1960

### Protanopia

67.9090, -32.8760, 12.1160

### Deuteranopia

70.7960, -7.9330, 6.1070



## Tritanopia

67.8700, 41.9490, 16.1970

# Trichromacy



## Original Color

65.5050, 33.6920, 39.1960

## Protanomaly

66.8090, -8.8070, 21.9530

## Deuteranomaly

68.7860, 7.1950, 18.2910

## Tritanomaly

67.1720, 38.4630, 24.3110

# Monochromacy



## Original Color

65.5050, 33.6920, 39.1960

## Achromatopsia

66.0000, -0.0000, -0.0000

## Achromatomaly

65.6030, 11.9640, 14.4600

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 65.5050, 33.6920, 39.1960 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(122, 31, 95)` looks like.

```
.text, #text, p{  
    color:rgb(122, 31, 95)  
}
```

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(122, 31, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 31, 95) }
```

## Border

The CSS property to change the border of an element to YIQ 65.5050, 33.6920, 39.1960 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(122, 31, 95) }
```



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

```
.border{ border-color:rgb(122, 31, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 31, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 31, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 31, 95);  
box-shadow:4px 4px 4px 4px rgb(122, 31,  
95) }
```

# Background

The CSS property to change the background color of an element to YIQ 65.5050, 33.6920, 39.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 31, 95) }
```

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

```
.background{ background-color: rgb(122, 31,  
95) }
```

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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