

# Converting Colors

YIQ(54.6930, 3.0230, 16.8070)

Have a look what the booklet for  
YIQ(54.6930, 3.0230, 16.8070)  
contains.

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# Color

**YIQ(54.6930, 3.0230,  
16.8070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	442B50
RGB	68, 43, 80
RGB Percent	27%, 17%, 31%
CMY	0.7332, 0.8314, 0.6863
CMYK	0.15, 0.46, 0.00, 0.69
HSL	281°, 30%, 24%
HSV	281°, 46%, 31%
XYZ	4.6967, 3.5358, 8.0235
YIQ	54.6930, 3.0230, 16.8070

# Conversions

## Conversions Part 2

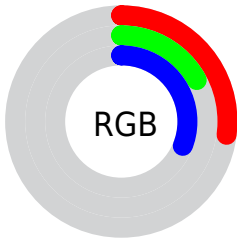
Format	Color
R <sub>Y</sub> B	68, 43, 80
Decimal	4467536
CIE Lab	22.07, 19.37, -18.21
CIE LCh	22, 26.583, 316.775
Yxy	3.5358, 0.2889, 0.2175
Android (android.graphics.Color)	4282657616 (0xFF442B50)
YUV	54.6930, 12.4764, 11.6702
Hunter-Lab	18.8038, 11.6778, -12.1363

# Details

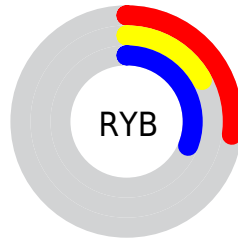
The YIQ color **54.6930, 3.0230, 16.8070** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **68.3070, -3.0230, -16.8070**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **101.9320, 3.8480, 18.3760**, and **12.1770, 4.5360, 16.9200** is the 20% darker color. If you saturate the color by 10%, you get **49.1000, 3.4350, 20.3550**, and if you desaturate by 10%, it is **60.2860, 2.6110, 13.2590**.

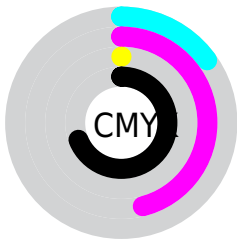
# Distribution



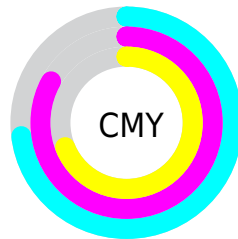
- Red (27%)
- Green (17%)
- Blue (31%)



- Red (27%)
- Yellow (17%)
- Blue (31%)



- Cyan (15%)
- Magenta (46%)
- Yellow (0%)
- Black (69%)



- Cyan (73%)
- Magenta (83%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 54.6930, 3.0230, 16.8070 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 54.6930, 3.0230, 16.8070 by changing the saturation by 10% instead.



■ 54.6930, 3.0230,  
16.8070

■ 54.6930, 3.0230,  
16.8070

■ 255.0000, -0.0000,  
-0.0000

■ 32.8670, 2.4730,  
15.7610

■ 101.9320, 3.8480,  
18.3760

■ 12.1770, 4.5360,  
16.9200

■ 127.4590, 3.8020,  
19.2100

■ 1.2540, -3.5310,  
3.4210

■ 153.1710, 4.6730,  
19.9450

■ 0.0000, 0.0000,  
0.0000

■ 180.2850, 4.3520,  
20.2560

■ 207.6980, 4.6270,  
20.7790

■ 234.7430, 8.7540,

17.5700

252.0650, 1.3750,  
2.6150

54.6930, 3.0230,  
16.8070

54.6930, 3.0230,  
16.8070

49.1000, 3.4350,  
20.3550

60.2860, 2.6110,  
13.2590

43.8060, 4.4430,  
24.1150

65.5800, 1.6030,  
9.4990

38.2130, 4.8550,  
27.6630

71.1730, 1.1910,  
5.9510

32.9190, 5.8630,  
31.4230

76.4670, 0.1830,  
2.1910

27.3260, 6.2750,  
34.9710

82.0600, -0.2290,  
-1.3570

■ 25.2660, 6.5040,  
36.3280

■ 87.6530, -0.6410,  
-4.9050

■ 92.9470, -1.6490,  
-8.6650

■ 98.5400, -2.0610,  
-12.2130

■ 103.8340, -3.0690,  
-15.9730

# Harmonies

## Analogous

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



51.6730, -20.5880, 9.6840



54.6930, 3.0230, 16.8070



53.3160, 20.2620, 18.2620

# Triad

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



54.6930, 3.0230, 16.8070



51.4740, 24.6680, -6.5320



43.6900, -37.5940, -12.5220

# Complementary

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



54.6930, 3.0230, 16.8070



68.3070, -3.0230, -16.8070

# 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.



41.2960, -30.8530, -19.0530



54.6930, 3.0230, 16.8070



49.5000, 12.6110, -13.7970

# Square

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



54.6930, 3.0230, 16.8070



52.0330, 30.7640, 4.1400



47.0400, -6.6450, -17.2450



45.0410, -42.7760, -6.7120



# Rectangle

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



54.6930, 3.0230, 16.8070



52.7420, 27.6900, 15.8020



47.0400, -6.6450, -17.2450



42.8920, -35.3470, -14.6990

# Sweetspot

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



54.6930, 3.0230, 16.8070



94.7000, 1.1450, 6.7850



54.2620, -15.1770, 5.2310



47.2330, 0.9620, 4.5940



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000



# Same Dimension

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



54.6930, 3.0230, 16.8070



64.6860, 4.9010, 26.8290



57.5970, 12.1010, 17.4850



38.0540, -0.0920, 1.6680



33.1990, 8.6110, 47.7070



73.3910, 19.1000, 105.4360



# Inverse Universe

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



55.4310, 18.2000, 11.5760



65.8070, 29.0650, 18.4170



65.4030, -12.1010, -17.4850



38.3100, 2.0630, 1.1590



35.2710, 51.6660, 32.8340



77.9180, 114.1970, 72.5090



# Previews

## White Background



This preview shows how the YIQ color 54.6930, 3.0230, 16.8070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

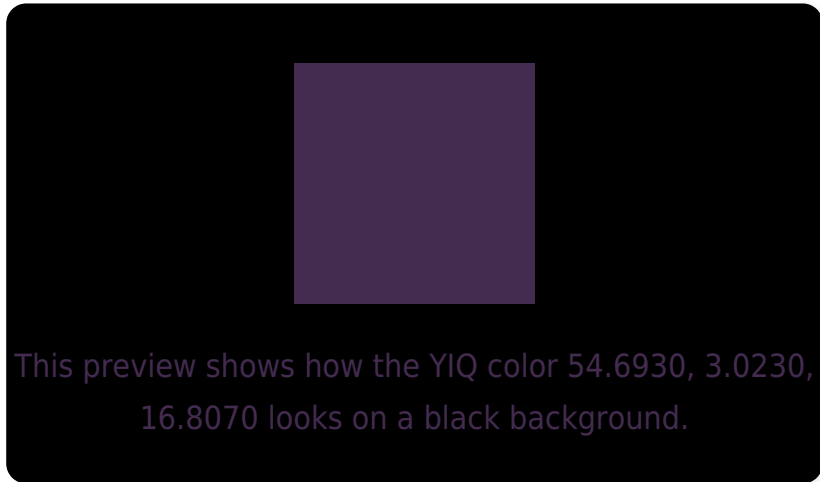
Any Text WCAG AA ✓ Pass

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

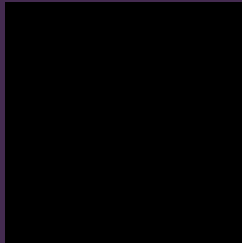
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 54.6930, 3.0230, 16.8070**

## **Background**



This preview shows how black text looks on a background with the YIQ color 54.6930, 3.0230, 16.8070.



This preview shows how white text looks on a background with the YIQ color 54.6930, 3.0230,



# 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

54.6930, 3.0230, 16.8070

### Protanopia

52.2170, -19.3040, 8.4400

### Deuteranopia

52.8600, -13.9850, 5.6550



## Tritanopia

53.9410, 7.6560, 4.4240

# Trichromacy



## Original Color

54.6930, 3.0230, 16.8070

## Protanomaly

53.4030, -10.9600, 11.4080

## Deuteranomaly

53.3170, -7.8420, 9.9660

## Tritanomaly

54.2060, 5.5920, 8.7920

# Monochromacy



## Original Color

54.6930, 3.0230, 16.8070

## Achromatopsia

55.0000, 0.0000, 0.0000

## Achromatomaly

55.1730, 1.1910, 5.9510

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 54.6930, 3.0230, 16.8070 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(68, 43, 80)` looks like.

```
.text, #text, p{  
    color:rgb(68, 43, 80)  
}
```

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(68, 43, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 43, 80) }
```

## Border

The CSS property to change the border of an element to YIQ 54.6930, 3.0230, 16.8070 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(68, 43, 80) }
```



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

```
.border{ border-color:rgb(68, 43, 80) }
```

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

Here you see how a box with a 4 pixel rgb(68, 43, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 43, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 43, 80);  
box-shadow:4px 4px 4px 4px rgb(68, 43, 80)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 54.6930, 3.0230, 16.8070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 43, 80) }
```

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

```
.background{ background-color: rgb(68, 43,  
80) }
```

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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