

# Converting Colors

YIQ(66.4340, -3.0770, 28.2430)

Have a look what the booklet for  
YIQ(66.4340, -3.0770, 28.2430)  
contains.

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# Color

**YIQ(66.4340, -3.0770,  
28.2430)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	513176
RGB	81, 49, 118
RGB Percent	32%, 19%, 46%
CMY	0.6822, 0.8079, 0.5373
CMYK	0.31, 0.58, 0.00, 0.54
HSL	268°, 41%, 33%
HSV	268°, 58%, 46%
XYZ	7.7627, 5.2538, 17.7393
YIQ	66.4340, -3.0770, 28.2430

# Conversions

## Conversions Part 2

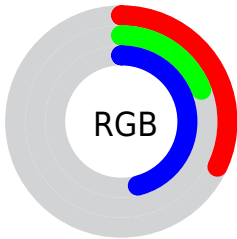
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 49, 118
Decimal	5321078
CIE <sub>Lab</sub>	27.45, 29.67, -34.33
CIE <sub>LCh</sub>	27, 45.370, 310.836
Yxy	5.2538, 0.2524, 0.1708
Android (android.graphics.Color)	4283511158 (0xFF513176)
YUV	66.4340, 25.4220, 12.7744
Hunter-Lab	22.9212, 20.3406, -29.8412

# Details

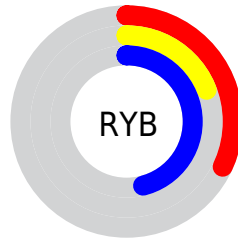
The YIQ color **66.4340, -3.0770, 28.2430** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **100.5660, 3.0770, -28.2430**, and the grayscale version is **66.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **116.2000, -2.2980, 30.6460**, and **20.0700, -5.0480, 25.4160** is the 20% darker color. If you saturate the color by 10%, you get **57.5960, -3.3530, 33.2470**, and if you desaturate by 10%, it is **75.2720, -2.8010, 23.2390**.

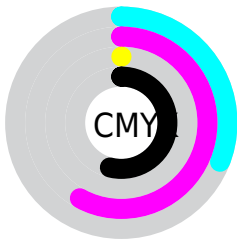
# Distribution



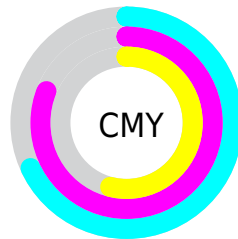
- Red (32%)
- Green (19%)
- Blue (46%)



- Red (32%)
- Yellow (19%)
- Blue (46%)



- Cyan (31%)
- Magenta (58%)
- Yellow (0%)
- Black (54%)



- Cyan (68%)
- Magenta (81%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 66.4340, -3.0770, 28.2430 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 66.4340, -3.0770, 28.2430 by changing the saturation by 10% instead.



66.4340, -3.0770,  
28.2430

66.4340, -3.0770,  
28.2430

255.0000, -0.0000,  
-0.0000

43.1950, -3.9020,  
26.6740

116.2000, -2.2980,  
30.6460

19.4830, -4.7730,  
25.9390

142.0260, -1.7480,  
31.6920

7.0380, -11.1900,  
15.5780

168.5530, -1.7940,  
32.5260

3.3230, -7.9790,  
6.9410

196.0800, -1.8400,  
33.3600

0.0000, 0.0000,  
0.0000

220.6000, 8.0190,  
25.3870

240.9120, 6.6000,

12.5520

■ 66.4340, -3.0770,  
28.2430

■ 66.4340, -3.0770,  
28.2430

■ 57.5960, -3.3530,  
33.2470

■ 75.2720, -2.8010,  
23.2390

■ 48.4590, -4.2250,  
38.0390

■ 84.4090, -1.9290,  
18.4470

■ 40.2080, -4.7760,  
42.5200

■ 92.6600, -1.3780,  
13.9660

■ 31.3700, -5.0520,  
47.5240

■ 101.4980, -1.1020,  
8.9620

■ 29.8970, -5.0980,  
48.3580

■ 110.6350, -0.2300,  
4.1700

■ 119.4730, 0.0460,  
-0.8340

■ 128.3110, 0.3220,  
-5.8380

■ 136.8610, 1.4690,  
-10.1070

■ 145.6990, 1.7450,  
-15.1110

# Harmonies

## Analogous

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



53.4310, -60.8890, 7.6790



66.4340, -3.0770, 28.2430



62.0270, 32.0420, 36.0580

# Triad

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



66.4340, -3.0770, 28.2430



61.5870, 43.2830, -7.9890



55.7380, -46.7170, -17.8930

# Complementary

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



66.4340, -3.0770, 28.2430



100.5660, 3.0770, -28.2430

# 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.



50.9330, -34.5650, -28.8770



66.4340, -3.0770, 28.2430



59.9600, 22.6990, -20.4130

# Square

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



66.4340, -3.0770, 28.2430



59.2810, 53.7330, 11.8850



52.3260, -5.1750, -32.8790



58.9130, -57.0350, -7.1070



# Rectangle

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



66.4340, -3.0770, 28.2430



57.4000, 46.9890, 34.9970



52.3260, -5.1750, -32.8790



54.3700, -42.8650, -21.6250

# Sweetspot

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



66.4340, -3.0770, 28.2430



132.0790, -1.2400, 11.4640



79.1720, -32.5990, 1.5850



64.0310, -1.2850, 6.7710



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



66.4340, -3.0770, 28.2430



73.1480, -4.5470, 43.8770



76.6000, 17.1870, 35.4510



54.5810, -0.1380, 2.5020



30.9510, -5.1900, 50.0260



63.1840, -11.1140, 102.3420



# Inverse Universe

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



73.8490, 29.2470, 26.1350



84.4910, 45.4750, 40.4110



90.4000, -17.1870, -35.4510



55.1360, 2.6130, 2.2050



44.0020, 51.5260, 46.3900



90.0260, 105.9860, 94.6740



# Previews

## White Background



This preview shows how the YIQ color 66.4340, -3.0770, 28.2430 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



This preview shows how the YIQ color 66.4340, -3.0770, 28.2430 looks on a 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 66.4340, -3.0770, 28.2430**

## **Background**



This preview shows how black text looks on a background with the YIQ color 66.4340, -3.0770, 28.2430.



This preview shows how white text looks on a background with the YIQ color 66.4340, -3.0770,



# 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

66.4340, -3.0770, 28.2430

### Protanopia

55.7310, -52.8660, 10.9580

### Deuteranopia

58.6150, -41.0360, 5.8120



## Tritanopia

65.9620, 3.1630, 3.2510

# Trichromacy



## Original Color

66.4340, -3.0770, 28.2430

## Protanomaly

59.7010, -34.9860, 17.3180

## Deuteranomaly

61.4860, -27.1910, 13.7130

## Tritanomaly

66.2750, 1.1440, 12.3120

# Monochromacy



## Original Color

66.4340, -3.0770, 28.2430

## Achromatopsia

66.0000, -0.0000, -0.0000

## Achromatomaly

66.1390, -1.4690, 10.1070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 66.4340, -3.0770, 28.2430 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(81, 49, 118)` looks like.

```
.text, #text, p{  
    color:rgb(81, 49, 118)  
}
```

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(81, 49, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 49, 118) }
```

## Border

The CSS property to change the border of an element to YIQ 66.4340, -3.0770, 28.2430 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(81, 49, 118) }
```



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

```
.border{ border-color:rgb(81, 49, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 49, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 49, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 49, 118);  
box-shadow:4px 4px 4px 4px rgb(81, 49,  
118) }
```

# Background

The CSS property to change the background color of an element to YIQ 66.4340, -3.0770, 28.2430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 49, 118) }
```

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

```
.background{ background-color: rgb(81, 49,  
118) }
```

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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