

# Converting Colors

YIQ(95.5050, -1.8390, 27.8330)

Have a look what the booklet for  
YIQ(95.5050, -1.8390, 27.8330)  
contains.

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# Color

**YIQ(95.5050, -1.8390,  
27.8330)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6F4E91
RGB	111, 78, 145
RGB Percent	44%, 31%, 57%
CMY	0.5646, 0.6942, 0.4314
CMYK	0.23, 0.46, 0.00, 0.43
HSL	270°, 30%, 44%
HSV	270°, 46%, 57%
XYZ	14.3925, 10.8722, 28.1219
YIQ	95.5050, -1.8390, 27.8330

# Conversions

## Conversions Part 2

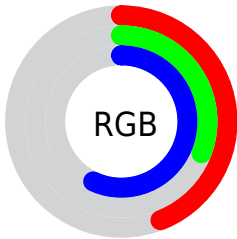
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	111, 78, 145
Decimal	7294609
CIE <sub>Lab</sub>	39.36, 27.86, -31.91
CIE <sub>LCh</sub>	39, 42.364, 311.126
Yxy	10.8722, 0.2696, 0.2037
Android (android.graphics.Color)	4285484689 (0xFF6F4E91)
YUV	95.5050, 24.4010, 13.5891
Hunter-Lab	32.9730, 20.2112, -27.4860

# Details

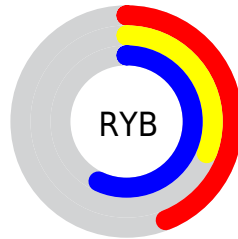
The YIQ color  $[95.5050, -1.8390, 27.8330]$  is a dark color, and the websafe version is hex  $663366$ . A complement of this color would be  $[127.4950, 1.8390, -27.8330]$ , and the grayscale version is  $[95.0000, -0.0000, -0.0000]$ .

A 20% lighter version of the original color is  $[146.8580, -1.3350, 29.7130]$ , and  $[47.7390, -2.6180, 25.4300]$  is the 20% darker color. If you saturate the color by 10%, you get  $[84.6070, -1.8860, 34.1940]$ , and if you desaturate by 10%, it is  $[105.8160, -1.5170, 21.9950]$ .

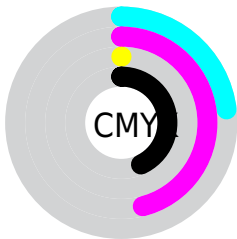
# Distribution



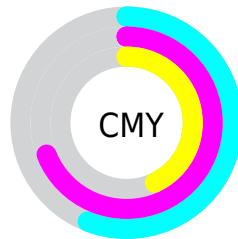
- Red (44%)
- Green (31%)
- Blue (57%)



- Red (44%)
- Yellow (31%)
- Blue (57%)



- Cyan (23%)
- Magenta (46%)
- Yellow (0%)
- Black (43%)



- Cyan (56%)
- Magenta (69%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 95.5050, -1.8390, 27.8330 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 95.5050, -1.8390, 27.8330 by changing the saturation by 10% instead.



■ 95.5050, -1.8390,  
27.8330

■ 95.5050, -1.8390,  
27.8330

■ 255.0000, -0.0000,  
-0.0000

■ 71.5650, -2.0680,  
26.4760

■ 146.8580, -1.3350,  
29.7130

■ 47.7390, -2.6180,  
25.4300

■ 173.6840, -0.7850,  
30.7590

■ 24.9130, -3.1680,  
24.3840

■ 201.0970, -0.5100,  
31.2820

■ 11.1530, -4.0840,  
18.9560

■ 226.2040, 9.0740,  
22.7860

■ 3.5510, -8.6210,  
7.5630

■ 244.4340, 4.9500,  
9.4140

■ 0.0000, 0.0000,  
0.0000

95.5050, -1.8390,  
27.8330

95.5050, -1.8390,  
27.8330

84.6070, -1.8860,  
34.1940

105.8160, -1.5170,  
21.9950

73.9970, -2.8040,  
39.8200

117.0130, -0.8740,  
15.8460

63.0990, -2.8510,  
46.1810

127.3240, -0.5520,  
10.0080

52.7880, -3.1730,  
52.0190

138.2220, -0.5050,  
3.6470

41.5910, -3.8160,  
58.1680

148.8320, 0.4130,  
-1.9790

38.0580, -3.6330,  
60.3590

159.7300, 0.4600,  
-8.3400

170.0410, 0.7820,  
-14.1780

181.2380, 1.4250,

-20.3270

■ 191.5490, 1.7470,  
-26.1650

# Harmonies

## Analogous

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



86.4110, -48.9690, 11.9190



95.5050, -1.8390, 27.8330



93.8480, 30.9880, 33.1320

# Triad

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



95.5050, -1.8390, 27.8330



89.7290, 45.7590, -8.8090



75.9530, -63.6800, -24.3520

# Complementary

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



95.5050, -1.8390, 27.8330



127.4950, 1.8390, -27.8330

# 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.



71.2620, -51.8490, -35.0250



95.5050, -1.8390, 27.8330



87.3040, 27.4220, -23.4100

# Square

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



95.5050, -1.8390, 27.8330



90.6400, 54.1000, 10.7400



82.9180, -3.8460, -29.4300



79.0140, -73.6770, -13.8770



# Rectangle

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



95.5050, -1.8390, 27.8330



91.8680, 45.4310, 30.1910



82.9180, -3.8460, -29.4300



74.5850, -59.8280, -28.0840

# Sweetspot

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



95.5050, -1.8390, 27.8330



168.9650, -0.9190, 11.1530



106.1830, -31.1320, 2.5320



82.2160, -0.3680, 6.6720



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



95.5050, -1.8390, 27.8330



112.1050, -2.9880, 43.1560



105.3720, 17.8290, 34.8290



65.9940, 0.1370, 3.0250



35.4230, -3.4030, 56.1890



2.1080, -0.1840, 3.3360



# Inverse Universe

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



101.9090, 29.0180, 24.7780



122.1380, 44.9710, 38.5310



117.6280, -17.8290, -34.8290



66.5490, 2.8880, 2.7280



48.1170, 58.6320, 49.7680

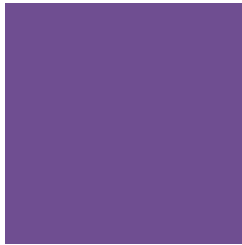


2.8480, 3.4840, 2.9400



# Previews

## White Background



This preview shows how the YIQ color 95.5050, -1.8390, 27.8330 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 × Fail



# Black Background



This preview shows how the YIQ color 95.5050, -1.8390, 27.8330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

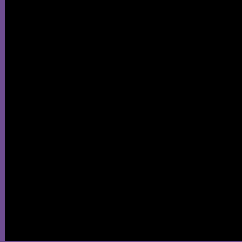
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 95.5050, -1.8390, 27.8330**

## **Background**



This preview shows how black text looks on a background with the YIQ color 95.5050, -1.8390, 27.8330.



This preview shows how white text looks on a background with the YIQ color 95.5050, -1.8390,



# 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

95.5050, -1.8390, 27.8330

### Protanopia

90.7500, -36.6820, 15.0140

### Deuteranopia

91.4100, -30.0330, 10.1510



## Tritanopia

93.9840, 6.0970, 5.1450

# Trichromacy



## Original Color

95.5050, -1.8390, 27.8330

## Protanomaly

92.4420, -23.8910, 19.9890

## Deuteranomaly

93.0740, -20.0390, 16.2570

## Tritanomaly

94.5850, 3.2070, 13.4710

# Monochromacy



## Original Color

95.5050, -1.8390, 27.8330

## Achromatopsia

96.0000, -0.0000, 0.0000

## Achromatomaly

95.4380, -0.8730, 10.3190

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 95.5050, -1.8390, 27.8330 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(111, 78, 145)` looks like.

```
.text, #text, p{  
    color:rgb(111, 78, 145)  
}
```

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(111, 78, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 78, 145) }
```

## Border

The CSS property to change the border of an element to YIQ 95.5050, -1.8390, 27.8330 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(111, 78, 145) }
```



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

```
.border{ border-color:rgb(111, 78, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 78, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 78, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 78, 145);  
box-shadow:4px 4px 4px 4px rgb(111, 78,  
145) }
```

# Background

The CSS property to change the background color of an element to YIQ 95.5050, -1.8390, 27.8330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 78, 145) }
```

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

```
.background{ background-color: rgb(111, 78,  
145) }
```

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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