

# Converting Colors

YIQ(87.0260, -1.7480, 31.6920)

Have a look what the booklet for  
YIQ(87.0260, -1.7480, 31.6920)  
contains.

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# Color

**YIQ(87.0260, -1.7480,  
31.6920)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	69438F
RGB	105, 67, 143
RGB Percent	41%, 26%, 56%
CMY	0.5881, 0.7373, 0.4393
CMYK	0.27, 0.53, 0.00, 0.44
HSL	270°, 36%, 41%
HSV	270°, 53%, 56%
XYZ	12.7927, 9.0005, 27.0430
YIQ	87.0260, -1.7480, 31.6920

# Conversions

## Conversions Part 2

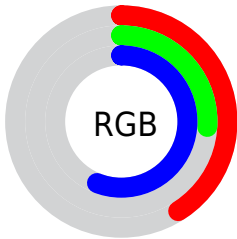
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	105, 67, 143
Decimal	6898575
CIE Lab	35.99, 32.16, -36.09
CIE LCh	36, 48.341, 311.710
Yxy	9.0005, 0.2620, 0.1843
Android (android.graphics.Color)	4285088655 (0xFF69438F)
YUV	87.0260, 27.5952, 15.7632
Hunter-Lab	30.0008, 23.6131, -32.4439

# Details

The YIQ color **87.0260, -1.7480, 31.6920** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **122.9740, 1.7480, -31.6920**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.7920, -0.9690, 34.0950**, and **38.9610, -3.1230, 29.0770** is the 20% darker color. If you saturate the color by 10%, you get **76.7150, -2.0700, 37.5300**, and if you desaturate by 10%, it is **97.3370, -1.4260, 25.8540**.

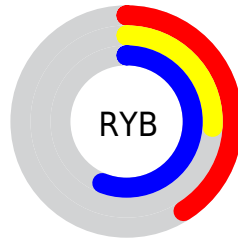
# Distribution



Red (41%)

Green (26%)

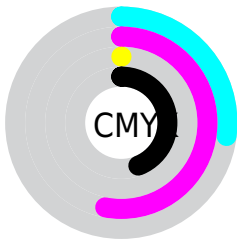
Blue (56%)



Red (41%)

Yellow (26%)

Blue (56%)

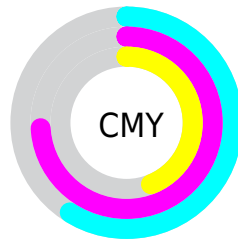


Cyan (27%)

Magenta (53%)

Yellow (0%)

Black (44%)



Cyan (59%)

Magenta (74%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 87.0260, -1.7480, 31.6920 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 87.0260, -1.7480, 31.6920 by changing the saturation by 10% instead.



87.0260, -1.7480,  
31.6920

87.0260, -1.7480,  
31.6920

255.0000, -0.0000,  
-0.0000

62.7870, -2.5730,  
30.1230

137.7920, -0.9690,  
34.0950

38.9610, -3.1230,  
29.0770

164.6180, -0.4190,  
35.1410

16.7220, -3.9480,  
27.5080

192.1450, -0.4650,  
35.9750

5.1300, -14.4450,  
13.9950

216.7790, 9.0730,  
28.3130

3.2090, -7.6580,  
6.6300

237.3900, 8.2500,  
15.6900

0.0000, 0.0000,  
0.0000

253.8260, 0.5500,

1.0460

■ 87.0260, -1.7480,  
31.6920

■ 87.0260, -1.7480,  
31.6920

■ 76.7150, -2.0700,  
37.5300

■ 97.3370, -1.4260,  
25.8540

■ 65.8170, -2.1170,  
43.8910

■ 108.2350, -1.3790,  
19.4930

■ 55.5060, -2.4390,  
49.7290

■ 118.5460, -1.0570,  
13.6550

■ 44.8960, -3.3570,  
55.3550

■ 129.1560, -0.1390,  
8.0290

■ 37.8300, -2.9910,  
59.7370

■ 139.4670, 0.1830,  
2.1910

■ 150.3650, 0.2300,  
-4.1700

■ 160.6760, 0.5520,  
-10.0080

■ 170.9870, 0.8740,  
-15.8460

■ 181.8850, 0.9210,  
-22.2070

# Harmonies

## Analogous

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



70.0540, -70.0130, 7.8350



87.0260, -1.7480, 31.6920



83.4620, 35.2510, 38.4750

# Triad

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



87.0260, -1.7480, 31.6920



79.9160, 52.3620, -12.8380



71.1600, -59.8290, -22.5570

# Complementary

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



87.0260, -1.7480, 31.6920



122.9740, 1.7480, -31.6920

# 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.



66.0130, -46.7140, -34.4740



87.0260, -1.7480, 31.6920



78.2670, 28.8440, -27.1560

# Square

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



87.0260, -1.7480, 31.6920



80.1030, 60.1060, 12.0260



71.6740, -6.2750, -34.9710



74.7910, -71.4310, -10.5270



# Rectangle

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



87.0260, -1.7480, 31.6920



80.2650, 51.8030, 35.8590



71.6740, -6.2750, -34.9710



69.6780, -55.6560, -26.6000

# Sweetspot

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



87.0260, -1.7480, 31.6920



163.9050, -0.6900, 12.5100



97.9700, -34.8460, 3.7620



80.7430, -0.4140, 7.5060



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.



87.0260, -1.7480, 31.6920



98.5060, -2.4390, 49.7290



98.3880, 20.9000, 39.7480



65.9940, 0.1370, 3.0250



35.7220, -2.8070, 56.4010



2.1080, -0.1840, 3.3360



# Inverse Universe

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



94.0560, 33.0980, 27.9300



109.4210, 51.6640, 43.8880



111.6120, -20.9000, -39.7480



66.5490, 2.8880, 2.7280



48.0030, 58.9530, 49.4570

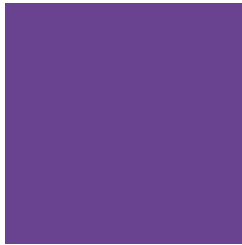


2.8480, 3.4840, 2.9400



# Previews

## White Background



This preview shows how the YIQ color 87.0260, -1.7480, 31.6920 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 87.0260, -1.7480, 31.6920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

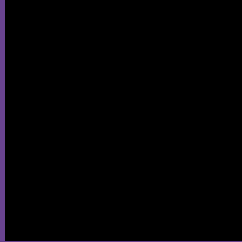
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 87.0260, -1.7480, 31.6920**

## **Background**



This preview shows how black text looks on a background with the YIQ color 87.0260, -1.7480, 31.6920.



This preview shows how white text looks on a background with the YIQ color 87.0260, -1.7480,



# 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

87.0260, -1.7480, 31.6920

### Protanopia

79.6010, -46.4480, 15.7920

### Deuteranopia

80.9900, -37.5980, 9.5860



## Tritanopia

85.8700, 6.4180, 4.8340

# Trichromacy



## Original Color

87.0260, -1.7480, 31.6920

## Protanomaly

82.6740, -30.3560, 21.5160

## Deuteranomaly

82.9750, -24.0740, 17.7980

## Tritanomaly

86.4110, 3.7570, 14.5170

# Monochromacy



## Original Color

87.0260, -1.7480, 31.6920

## Achromatopsia

87.0000, -0.0000, -0.0000

## Achromatomaly

87.2640, -0.3230, 11.3650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 87.0260, -1.7480, 31.6920 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(105, 67, 143)` looks like.

```
.text, #text, p{  
    color:rgb(105, 67, 143)  
}
```

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(105, 67, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 67, 143) }
```

## Border

The CSS property to change the border of an element to YIQ 87.0260, -1.7480, 31.6920 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(105, 67, 143) }
```



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

```
.border{ border-color:rgb(105, 67, 143) }
```

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

Here you see how a box with a 4 pixel rgb(105, 67, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 67, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 67, 143);  
box-shadow:4px 4px 4px 4px rgb(105, 67,  
143) }
```

# Background

The CSS property to change the background color of an element to YIQ 87.0260, -1.7480, 31.6920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 67, 143) }
```

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

```
.background{ background-color: rgb(105, 67,  
143) }
```

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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