

# Converting Colors

YIQ(87.5090, 18.7010, 30.0370)

Have a look what the booklet for  
YIQ(87.5090, 18.7010, 30.0370)  
contains.

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# Color

**YIQ(87.5090, 18.7010,  
30.0370)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C3F76
RGB	124, 63, 118
RGB Percent	49%, 25%, 46%
CMY	0.5135, 0.7530, 0.5372
CMYK	0.00, 0.49, 0.05, 0.51
HSL	306°, 33%, 37%
HSV	306°, 49%, 49%
XYZ	13.3654, 9.1489, 18.2035
YIQ	87.5090, 18.7010, 30.0370

# Conversions

## Conversions Part 2

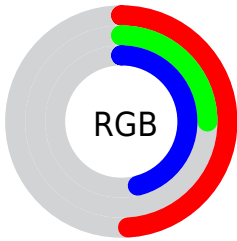
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 63, 118
Decimal	8142710
CIE <sub>Lab</sub>	36.27, 34.71, -20.06
CIE <sub>LCh</sub>	36, 40.087, 329.975
Yxy	9.1489, 0.3282, 0.2247
Android (android.graphics.Color)	4286332790 (0xFF7C3F76)
YUV	87.5090, 15.0321, 32.0026
Hunter-Lab	30.2471, 25.9418, -14.5093

# Details

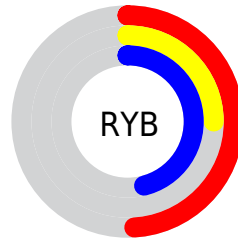
The YIQ color **87.5090, 18.7010, 30.0370** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **99.4910, -18.7010, -30.0370**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.9330, 20.4430, 31.5070**, and **37.3240, 17.7840, 30.1360** is the 20% darker color. If you saturate the color by 10%, you get **80.3510, 22.3220, 36.0020**, and if you desaturate by 10%, it is **94.6670, 15.0800, 24.0720**.

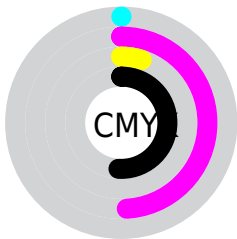
# Distribution



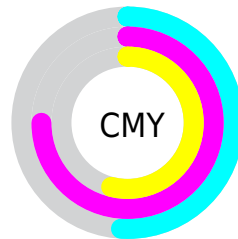
- Red (49%)
- Green (25%)
- Blue (46%)



- Red (49%)
- Yellow (25%)
- Blue (46%)



- Cyan (0%)
- Magenta (49%)
- Yellow (5%)
- Black (51%)



- Cyan (51%)
- Magenta (75%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 87.5090, 18.7010, 30.0370 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 87.5090, 18.7010, 30.0370 by changing the saturation by 10% instead.



87.5090, 18.7010,  
30.0370

87.5090, 18.7010,  
30.0370

255.0000, -0.0000,  
-0.0000

62.7970, 17.8300,  
29.3020

138.9330, 20.4430,  
31.5070

37.3240, 17.7840,  
30.1360

165.7590, 20.9930,  
32.5530

20.0090, 14.1170,  
25.0050

193.4710, 21.8640,  
33.2880

10.4390, 6.5540,  
13.3860

218.4920, 17.3710,  
32.1150

0.0000, 0.0000,  
0.0000

235.6290, 9.0750,  
17.2590

252.6520, 1.1000,

2.0920

■ 87.5090, 18.7010,  
30.0370

■ 87.5090, 18.7010,  
30.0370

■ 80.3510, 22.3220,  
36.0020

■ 94.6670, 15.0800,  
24.0720

■ 72.6060, 26.2180,  
42.4900

■ 102.4120, 11.1840,  
17.5840

■ 65.3340, 30.1600,  
48.1440

■ 109.6840, 7.2420,  
11.9300

■ 57.5890, 34.0560,  
54.6320

■ 117.4290, 3.3460,  
5.4420

■ 50.4310, 37.6770,  
60.5970

■ 124.5870, -0.2750,  
-0.5230

■ 49.8440, 37.9520,  
61.1200

■ 131.7450, -3.8960,  
-6.4880

■ 139.6040, -8.1130,  
-12.6650

■ 146.7620,  
-11.7340, -18.6300

■ 154.5070,  
-15.6300, -25.1180

# Harmonies

## Analogous

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



86.6880, -15.7760, 21.6000



87.5090, 18.7010, 30.0370



84.6610, 41.5800, 28.3960

# Triad

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



87.5090, 18.7010, 30.0370



81.2880, 33.5190, -18.2650



72.0380, -65.0570, -15.9130

# Complementary

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



87.5090, 18.7010, 30.0370



99.4910, -18.7010, -30.0370

# 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.



68.8630, -54.7390, -26.6990



87.5090, 18.7010, 30.0370



78.3710, 8.1200, -26.0240

# Square

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



87.5090, 18.7010, 30.0370



82.9560, 46.8580, -1.1900



69.1350, -32.3180, -31.0540



73.0130, -71.9360, -6.8800



# Rectangle

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



87.5090, 18.7010, 30.0370



83.3380, 49.5590, 21.4550



69.1350, -32.3180, -31.0540



71.3710, -61.8010, -19.8570

# Sweetspot

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



87.5090, 18.7010, 30.0370



146.5700, 7.5630, 11.6190



71.4490, -16.6010, 20.0310



72.9670, 4.7670, 7.2230



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



87.5090, 18.7010, 30.0370



104.0950, 29.3350, 46.5750



84.0890, 28.3310, 20.7070



57.4780, 1.6500, 3.1380



50.2570, 38.2270, 61.6430



101.2260, 77.3250, 124.0210



# Inverse Universe

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



87.5090, 18.7010, 30.0370



104.0950, 29.3350, 46.5750



102.9110, -28.3310, -20.7070



57.4780, 1.6500, 3.1380



50.2570, 38.2270, 61.6430

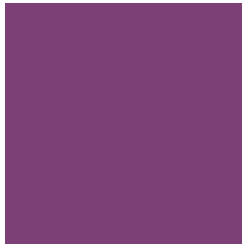


101.2260, 77.3250, 124.0210



# Previews

## White Background



This preview shows how the YIQ color 87.5090, 18.7010, 30.0370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

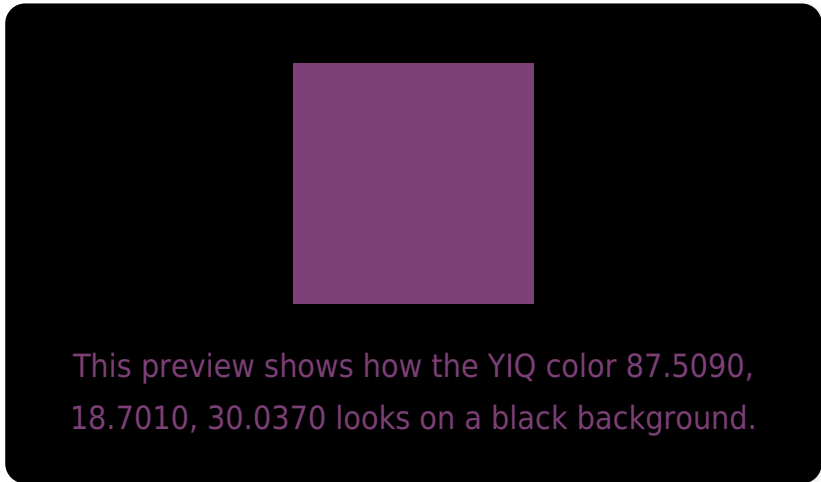
Any Text WCAG AA ✓ Pass

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

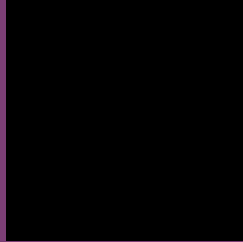
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 87.5090, 18.7010, 30.0370

## Background



This preview shows how black text looks on a background with the YIQ color 87.5090, 18.7010, 30.0370.



This preview shows how white text looks on a background with the YIQ color 87.5090, 18.7010,



# 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

87.5090, 18.7010, 30.0370

### Protanopia

84.7310, -26.5030, 12.2570

### Deuteranopia

86.5120, -12.8850, 7.7470



## Tritanopia

86.7370, 26.0860, 11.8300

# Trichromacy



## Original Color

87.5090, 18.7010, 30.0370

## Protanomaly

85.6300, -9.8610, 19.0270

## Deuteranomaly

86.7140, -1.4700, 15.6340

## Tritanomaly

87.2840, 23.2880, 18.4880

# Monochromacy



## Original Color

87.5090, 18.7010, 30.0370

## Achromatopsia

88.0000, -0.0000, -0.0000

## Achromatomaly

87.8580, 6.6920, 10.8840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 87.5090, 18.7010, 30.0370 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(124, 63, 118)` looks like.

```
.text, #text, p{  
    color:rgb(124, 63, 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(124, 63, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 63, 118) }
```

## Border

The CSS property to change the border of an element to YIQ 87.5090, 18.7010, 30.0370 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(124, 63, 118) }
```



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

```
.border{ border-color:rgb(124, 63, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 63, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 63, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 63, 118);  
box-shadow:4px 4px 4px 4px rgb(124, 63,  
118) }
```

# Background

The CSS property to change the background color of an element to YIQ 87.5090, 18.7010, 30.0370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 63, 118) }
```

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

```
.background{ background-color: rgb(124, 63,  
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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