

# Converting Colors

YIQ(81.2150, 19.7090, 33.7970)

Have a look what the booklet for  
YIQ(81.2150, 19.7090, 33.7970)  
contains.

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# Color

**YIQ(81.2150, 19.7090,  
33.7970)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	793675
RGB	121, 54, 117
RGB Percent	47%, 21%, 46%
CMY	0.5253, 0.7883, 0.5411
CMYK	0.00, 0.55, 0.03, 0.53
HSL	304°, 38%, 34%
HSV	304°, 55%, 47%
XYZ	12.4214, 7.9889, 17.7193
YIQ	81.2150, 19.7090, 33.7970

# Conversions

## Conversions Part 2

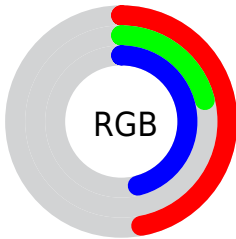
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 54, 117
Decimal	7943797
CIE <sub>Lab</sub>	33.96, 38.39, -23.05
CIE <sub>LCh</sub>	34, 44.783, 329.015
Yxy	7.9889, 0.3258, 0.2095
Android (android.graphics.Color)	4286133877 (0xFF793675)
YUV	81.2150, 17.6420, 34.8914
Hunter-Lab	28.2646, 28.9825, -17.3841

# Details

The YIQ color **81.2150, 19.7090, 33.7970** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **93.7850, -19.7090, -33.7970**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **132.6390, 21.4510, 35.2670**, and **28.6820, 19.8920, 35.9880** is the 20% darker color. If you saturate the color by 10%, you get **74.0570, 23.3300, 39.7620**, and if you desaturate by 10%, it is **88.3730, 16.0880, 27.8320**.

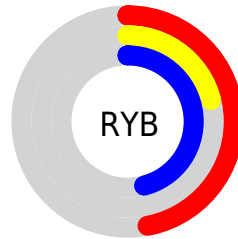
# Distribution



Red (47%)

Green (21%)

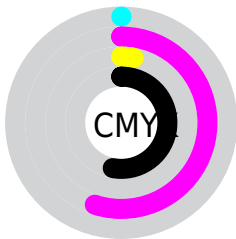
Blue (46%)



Red (47%)

Yellow (21%)

Blue (46%)

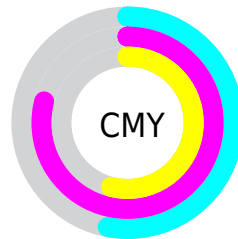


Cyan (0%)

Magenta (55%)

Yellow (3%)

Black (53%)



Cyan (53%)

Magenta (79%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 81.2150, 19.7090, 33.7970 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 81.2150, 19.7090, 33.7970 by changing the saturation by 10% instead.



81.2150, 19.7090,  
33.7970

81.2150, 19.7090,  
33.7970

255.0000, -0.0000,  
-0.0000

55.9160, 19.1130,  
33.5850

132.6390, 21.4510,  
35.2670

28.6820, 19.8920,  
35.9880

159.4650, 22.0010,  
36.3130

18.9980, 12.6500,  
24.0580

187.1770, 22.8720,  
37.0480

7.6340, 1.5110,  
11.1670

213.0950, 20.1670,  
36.5110

0.0000, 0.0000,  
0.0000

229.7590, 11.8250,  
22.4890

246.7820, 3.8500,

7.3220

■ 81.2150, 19.7090,  
33.7970

■ 81.2150, 19.7090,  
33.7970

■ 74.0570, 23.3300,  
39.7620

■ 88.3730, 16.0880,  
27.8320

■ 67.0130, 26.6300,  
46.0380

■ 95.4170, 12.7880,  
21.5560

■ 59.8550, 30.2510,  
52.0030

■ 102.5750, 9.1670,  
15.5910

■ 52.6970, 33.8720,  
57.9680

■ 109.7330, 5.5460,  
9.6260

■ 49.1750, 35.5220,  
61.1060

■ 117.4780, 1.6500,  
3.1380

■ 124.5220, -1.6500,  
-3.1380

■ 131.6800, -5.2710,  
-9.1030

■ 138.8380, -8.8920,  
-15.0680

■ 145.9960,  
-12.5130, -21.0330

# Harmonies

## Analogous

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



80.5890, -19.8110, 23.1410



81.2150, 19.7090, 33.7970



76.8620, 45.5680, 33.2160

# Triad

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



81.2150, 19.7090, 33.7970



75.0880, 36.9580, -20.0180



69.2340, -62.6730, -15.0650

# Complementary

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



81.2150, 19.7090, 33.7970



93.7850, -19.7090, -33.7970

# 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.



65.2440, -51.4380, -25.9500



81.2150, 19.7090, 33.7970



71.1770, 11.4220, -30.8020

# Square

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



81.2150, 19.7090, 33.7970



76.7670, 51.7640, -1.9960



59.2650, -38.7360, -35.8880



70.6650, -70.8360, -4.7880



# Rectangle

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



81.2150, 19.7090, 33.7970



75.8980, 53.9140, 25.1300



59.2650, -38.7360, -35.8880



67.9800, -59.1420, -18.4860

# Sweetspot

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



81.2150, 19.7090, 33.7970



141.9230, 8.0670, 13.4990



62.5350, -19.7190, 21.4730



69.4940, 4.7210, 8.0570



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

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



81.2150, 19.7090, 33.7970



96.2680, 30.5260, 52.5260



77.4530, 30.3020, 23.5340



57.4780, 1.6500, 3.1380



50.7130, 36.9430, 62.8870



102.3660, 74.1150, 127.1310



# Inverse Universe

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



81.2150, 19.7090, 33.7970



96.2680, 30.5260, 52.5260



97.5470, -30.3020, -23.5340



57.4780, 1.6500, 3.1380



50.7130, 36.9430, 62.8870

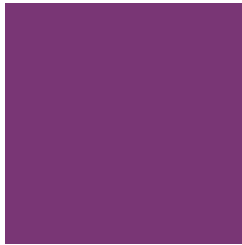


102.3660, 74.1150, 127.1310



# Previews

## White Background



This preview shows how the YIQ color 81.2150, 19.7090, 33.7970 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

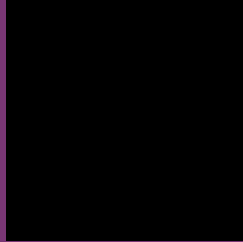
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 81.2150, 19.7090, 33.7970

## Background



This preview shows how black text looks on a background with the YIQ color 81.2150, 19.7090, 33.7970.



This preview shows how white text looks on a background with the YIQ color 81.2150, 19.7090,



# 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

81.2150, 19.7090, 33.7970

### Protanopia

78.5500, -33.2430, 13.2610

### Deuteranopia

80.7720, -16.5530, 8.1430



## Tritanopia

81.5200, 28.1950, 12.1550

# Trichromacy



## Original Color

81.2150, 19.7090, 33.7970

## Protanomaly

79.5310, -13.8960, 20.5680

## Deuteranomaly

81.2840, -3.0750, 17.1890

## Tritanomaly

81.7080, 25.0300, 19.9580

# Monochromacy



## Original Color

81.2150, 19.7090, 33.7970

## Achromatopsia

81.0000, -0.0000, 0.0000

## Achromatomaly

81.0970, 7.5170, 12.4530

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 81.2150, 19.7090, 33.7970 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(121, 54, 117)` looks like.

```
.text, #text, p{  
    color:rgb(121, 54, 117)  
}
```

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(121, 54, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 54, 117) }
```

## Border

The CSS property to change the border of an element to YIQ 81.2150, 19.7090, 33.7970 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(121, 54, 117) }
```



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

```
.border{ border-color:rgb(121, 54, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 54, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 54, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 54, 117);  
box-shadow:4px 4px 4px 4px rgb(121, 54,  
117) }
```

# Background

The CSS property to change the background color of an element to YIQ 81.2150, 19.7090, 33.7970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 54, 117) }
```

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

```
.background{ background-color: rgb(121, 54,  
117) }
```

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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