

# Converting Colors

YIQ(96.7480, 27.5530, 12.7770)

Have a look what the booklet for  
YIQ(96.7480, 27.5530, 12.7770)  
contains.

<b>YIQ(96.7480, 27.5530, 12.7770)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(96.7480, 27.5530,  
12.7770)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	835158
RGB	131, 81, 88
RGB Percent	51%, 32%, 35%
CMY	0.4862, 0.6824, 0.6548
CMYK	0.00, 0.38, 0.33, 0.49
HSL	352°, 24%, 42%
HSV	352°, 38%, 51%
XYZ	14.0684, 11.4146, 10.7000
YIQ	96.7480, 27.5530, 12.7770

# Conversions

## Conversions Part 2

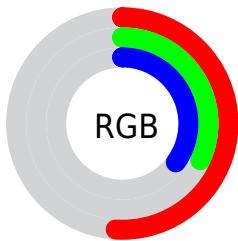
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 81, 88
Decimal	8606040
CIE <sub>Lab</sub>	40.27, 21.94, 4.72
CIE <sub>LCh</sub>	40, 22.447, 12.149
Yxy	11.4146, 0.3888, 0.3155
Android (android.graphics.Color)	4286796120 (0xFF835158)
YUV	96.7480, -4.3128, 30.0390
Hunter-Lab	33.7854, 15.2034, 4.8724

# Details

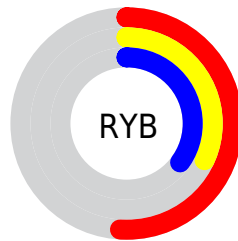
The YIQ color **96.7480, 27.5530, 12.7770** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **115.2520, -27.5530, -12.7770**, and the grayscale version is **97.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **147.9440, 29.9370, 13.6250**, and **49.3670, 24.2520, 12.0280** is the 20% darker color. If you saturate the color by 10%, you get **87.8630, 34.6590, 16.1550**, and if you desaturate by 10%, it is **105.6330, 20.4470, 9.3990**.

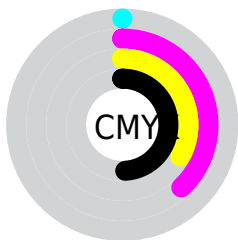
# Distribution



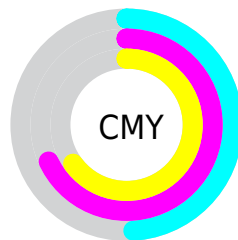
- Red (51%)
- Green (32%)
- Blue (35%)



- Red (51%)
- Yellow (32%)
- Blue (35%)



- Cyan (0%)
- Magenta (38%)
- Yellow (33%)
- Black (49%)



- Cyan (49%)
- Magenta (68%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 96.7480, 27.5530, 12.7770 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 96.7480, 27.5530, 12.7770 by changing the saturation by 10% instead.



■ 96.7480, 27.5530,  
12.7770

■ 96.7480, 27.5530,  
12.7770

■ 255.0000, -0.0000,  
-0.0000

■ 72.2640, 26.0400,  
12.6640

■ 147.9440, 29.9370,  
13.6250

■ 49.3670, 24.2520,  
12.0280

■ 174.8410, 31.7250,  
14.2610

■ 26.5840, 22.1430,  
11.7030

■ 202.1400, 32.3210,  
14.4730

■ 10.8780, 21.1350,  
7.9430

■ 225.6550, 23.3810,  
11.2930

■ 0.0000, 0.0000,  
0.0000

■ 245.8700, 6.4180,  
4.8340

96.7480, 27.5530,  
12.7770

96.7480, 27.5530,  
12.7770

87.8630, 34.6590,  
16.1550

105.6330, 20.4470,  
9.3990

78.9780, 41.7650,  
19.5330

114.6320, 13.0200,  
6.3320

69.9790, 49.1920,  
22.6000

123.5170, 5.9140,  
2.9540

61.0940, 56.2980,  
25.9780

132.4020, -1.1920,  
-0.4240

51.6220, 63.6790,  
29.8790

141.2870, -8.2980,  
-3.8020

42.6230, 71.1060,  
32.9460

150.8730,  
-16.0000, -7.3920

41.2210, 72.2980,  
33.3700

159.7580,  
-23.1060, -10.7700

168.6430,

-30.2120, -14.1480

■ 177.5280,  
-37.3180, -17.5260

# Harmonies

## Analogous

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



97.4080, 17.0070, 16.6790



96.7480, 27.5530, 12.7770



95.6740, 30.3970, 5.2850

# Triad

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



96.7480, 27.5530, 12.7770



90.8450, -1.6020, -15.0260



88.9540, -37.9170, -1.1570

# Complementary

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



96.7480, 27.5530, 12.7770



115.2520, -27.5530, -12.7770

# 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.



83.5840, -48.9190, -11.0230



96.7480, 27.5530, 12.7770



87.5530, -21.2710, -16.4950

# Square

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



96.7480, 27.5530, 12.7770



92.9780, 14.2610, -10.6590



84.0270, -40.1610, -15.5610



94.3310, -19.6250, 8.7510



# Rectangle

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



96.7480, 27.5530, 12.7770



95.0170, 27.6930, -0.7790



84.0270, -40.1610, -15.5610



86.6220, -42.9140, -4.2100

# Sweetspot

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



96.7480, 27.5530, 12.7770



158.0230, 10.3610, 4.9610



99.5570, 9.5780, 24.6660



78.8160, 6.5100, 3.1660



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000



# Same Dimension

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



96.7480, 27.5530, 12.7770



116.8750, 43.5530, 20.1690



105.9290, 25.1250, 1.7090



61.9080, 3.2550, 1.5830



40.9220, 71.7020, 33.1580



0.8970, 1.7880, 0.6360



# Inverse Universe

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



96.7480, 27.5530, 12.7770



116.8750, 43.5530, 20.1690



106.0710, -25.1250, -1.7090



61.9080, 3.2550, 1.5830



40.9220, 71.7020, 33.1580

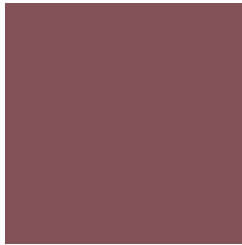


0.8970, 1.7880, 0.6360



# Previews

## White Background



This preview shows how the YIQ color 96.7480, 27.5530, 12.7770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

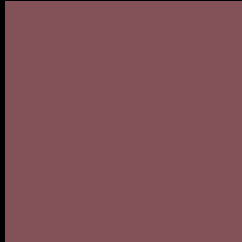
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 96.7480, 27.5530, 12.7770 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 96.7480, 27.5530, 12.7770**

## **Background**



This preview shows how black text looks on a background with the YIQ color 96.7480, 27.5530, 12.7770.



This preview shows how white text looks on a background with the YIQ color 96.7480, 27.5530,



# 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

96.7480, 27.5530, 12.7770

### Protanopia

95.7120, 0.8710, 0.7350

### Deuteranopia

96.1000, 11.4620, 1.5260



## Tritanopia

96.6340, 27.8740, 12.4660

# Trichromacy



## Original Color

96.7480, 27.5530, 12.7770

## Protanomaly

96.0230, 10.3610, 4.9610

## Deuteranomaly

96.2580, 17.0090, 5.6250

## Tritanomaly

96.6340, 27.8740, 12.4660

# Monochromacy



## Original Color

96.7480, 27.5530, 12.7770

## Achromatopsia

97.0000, -0.0000, 0.0000

## Achromatomaly

96.7240, 9.7650, 4.7490

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 96.7480, 27.5530, 12.7770 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(131, 81, 88)` looks like.

```
.text, #text, p{  
    color:rgb(131, 81, 88)  
}
```

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(131, 81, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 81, 88) }
```

## Border

The CSS property to change the border of an element to YIQ 96.7480, 27.5530, 12.7770 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(131, 81, 88) }
```



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

```
.border{ border-color:rgb(131, 81, 88) }
```

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

Here you see how a box with a 4 pixel rgb(131, 81, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 81, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 81, 88);  
box-shadow:4px 4px 4px 4px rgb(131, 81,  
88) }
```

# Background

The CSS property to change the background color of an element to YIQ 96.7480, 27.5530, 12.7770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 81, 88) }
```

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

```
.background{ background-color: rgb(131, 81,  
88) }
```

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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