

# Converting Colors

YIQ(80.4000, 11.4580, 23.6340)

Have a look what the booklet for  
YIQ(80.4000, 11.4580, 23.6340)  
contains.

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# Color

**YIQ(80.4000, 11.4580,  
23.6340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6A3E6C
RGB	106, 62, 108
RGB Percent	42%, 24%, 42%
CMY	0.5842, 0.7569, 0.5765
CMYK	0.02, 0.43, 0.00, 0.58
HSL	297°, 27%, 33%
HSV	297°, 43%, 42%
XYZ	10.3764, 7.5923, 15.1066
YIQ	80.4000, 11.4580, 23.6340

# Conversions

## Conversions Part 2

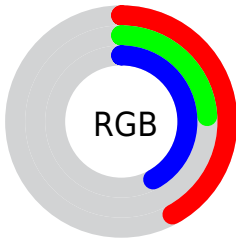
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">106, 62, 108</a>
Decimal	<a href="#">6962796</a>
CIELab	<a href="#">33.12, 27.25, -18.85</a>
CIELCh	<a href="#">33, 33.133, 325.325</a>
Yxy	<a href="#">7.5923, 0.3137, 0.2295</a>
Android (android.graphics.Color)	<a href="#">4285152876 (0xFF6A3E6C)</a>
YUV	<a href="#">80.4000, 13.6068, 22.4512</a>
Hunter-Lab	<a href="#">27.5541, 19.0007, -13.2181</a>

# Details

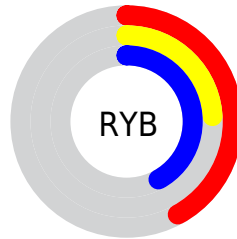
The YIQ color **80.4000, 11.4580, 23.6340** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **89.6000, -11.4580, -23.6340**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **130.6390, 12.2830, 25.2030**, and **33.2750, 10.3120, 22.3760** is the 20% darker color. If you saturate the color by 10%, you get **73.9430, 14.4830, 29.3870**, and if you desaturate by 10%, it is **86.8570, 8.4330, 17.8810**.

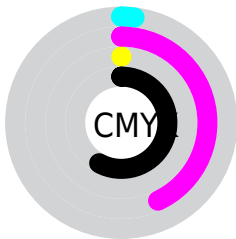
# Distribution



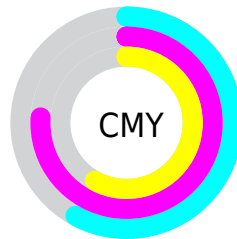
- Red (42%)
- Green (24%)
- Blue (42%)



- Red (42%)
- Yellow (24%)
- Blue (42%)



- Cyan (2%)
- Magenta (43%)
- Yellow (0%)
- Black (58%)



- Cyan (58%)
- Magenta (76%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 80.4000, 11.4580, 23.6340 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 80.4000, 11.4580, 23.6340 by changing the saturation by 10% instead.



80.4000, 11.4580,  
23.6340

80.4000, 11.4580,  
23.6340

255.0000, -0.0000,  
-0.0000

56.6880, 10.5870,  
22.8990

130.6390, 12.2830,  
25.2030

33.2750, 10.3120,  
22.3760

157.3510, 13.1540,  
25.9380

15.2100, 8.9370,  
19.7610

184.0630, 14.0250,  
26.6730

2.4110, -5.4110,  
4.4530

211.5900, 13.9790,  
27.5070

0.0000, 0.0000,  
0.0000

233.2810, 10.1750,  
19.3510

250.3040, 2.2000,

4.1840

■ 80.4000, 11.4580,  
23.6340

■ 80.4000, 11.4580,  
23.6340

■ 73.9430, 14.4830,  
29.3870

■ 86.8570, 8.4330,  
17.8810

■ 67.1870, 16.9120,  
34.9280

■ 93.6130, 6.0040,  
12.3400

■ 61.3170, 19.6620,  
40.1580

■ 99.4830, 3.2540,  
7.1100

■ 54.5610, 22.0910,  
45.6990

■ 106.2390, 0.8250,  
1.5690

■ 48.1040, 25.1160,  
51.4520

■ 112.6960, -2.2000,  
-4.1840

■ 43.1090, 26.7200,  
55.4240

■ 119.4520, -4.6290,  
-9.7250

■ 125.9090, -7.6540,  
-15.4780

■ 132.0780, -9.8080,  
-20.4960

■ 138.5350,  
-12.8330, -26.2490

# Harmonies

## Analogous

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



78.6290, -17.2880, 15.9600



80.4000, 11.4580, 23.6340



78.5240, 31.5400, 23.1240

# Triad

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



80.4000, 11.4580, 23.6340



75.3510, 29.2080, -11.7200



64.7030, -56.8040, -16.8040

# Complementary

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



80.4000, 11.4580, 23.6340



89.6000, -11.4580, -23.6340

# 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.



61.7390, -48.4580, -24.8900



80.4000, 11.4580, 23.6340



72.8430, 9.9070, -19.8610

# Square

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



80.4000, 11.4580, 23.6340



76.5300, 39.4300, 1.2700



68.0770, -17.2350, -23.5630



65.3360, -62.7200, -8.7040



# Rectangle

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



80.4000, 11.4580, 23.6340



77.3690, 39.1060, 18.1620



68.0770, -17.2350, -23.5630



63.7910, -54.2360, -19.2920

# Sweetspot

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



80.4000, 11.4580, 23.6340



129.1350, 4.3540, 9.2020



68.4180, -15.3160, 13.2600



64.5430, 3.0250, 5.7530



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



80.4000, 11.4580, 23.6340



97.4260, 17.7370, 36.4970



78.6040, 19.3910, 17.5270



50.1790, 1.0540, 2.9260



46.8260, 29.1950, 60.1310



97.8960, 60.8190, 125.8030



# Inverse Universe

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



75.9820, 26.7740, 10.3740



90.5710, 41.3530, 15.9850



91.3960, -19.3910, -17.5270



49.7940, 3.5760, 1.2720



35.5530, 68.1270, 26.3590



74.3950, 142.8100, 55.0500



# Previews

## White Background



This preview shows how the YIQ color 80.4000, 11.4580, 23.6340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

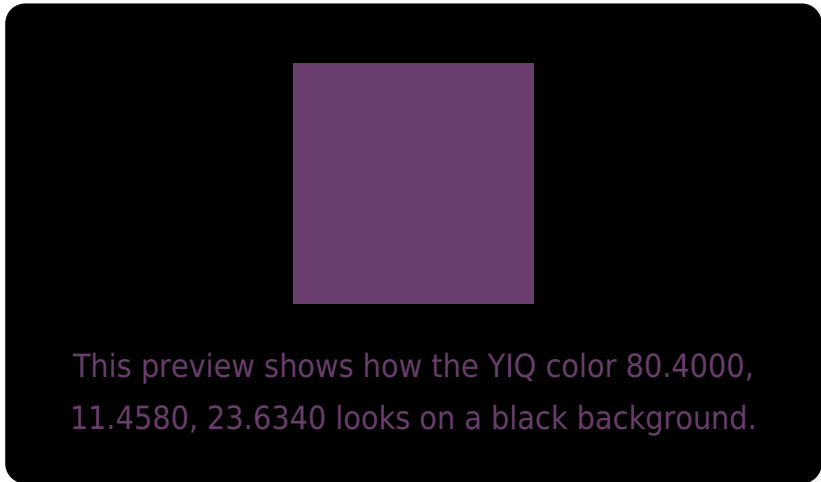
Any Text WCAG AA ✓ Pass

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

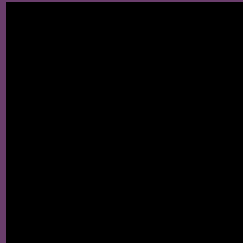
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 80.4000, 11.4580, 23.6340

## Background



This preview shows how black text looks on a background with the YIQ color 80.4000, 11.4580, 23.6340.



This preview shows how white text looks on a background with the YIQ color 80.4000, 11.4580,



# 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

80.4000, 11.4580, 23.6340

### Protanopia

77.7160, -22.1470, 10.4050

### Deuteranopia

78.3980, -12.5640, 7.4360



## Tritanopia

79.5510, 17.7420, 8.8620

# Trichromacy



## Original Color

80.4000, 11.4580, 23.6340

## Protanomaly

79.1090, -9.9520, 15.1680

## Deuteranomaly

79.4640, -3.7620, 13.1180

## Tritanomaly

79.4570, 15.3110, 14.3750

# Monochromacy



## Original Color

80.4000, 11.4580, 23.6340

## Achromatopsia

80.0000, 0.0000, -0.0000

## Achromatomaly

79.7220, 4.0790, 8.6790

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 80.4000, 11.4580, 23.6340 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(106, 62, 108)` looks like.

```
.text, #text, p{  
    color:rgb(106, 62, 108)  
}
```

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(106, 62, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 62, 108) }
```

## Border

The CSS property to change the border of an element to YIQ 80.4000, 11.4580, 23.6340 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(106, 62, 108) }
```



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

```
.border{ border-color:rgb(106, 62, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 62, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 62, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 62, 108);  
box-shadow:4px 4px 4px 4px rgb(106, 62,  
108) }
```

# Background

The CSS property to change the background color of an element to YIQ 80.4000, 11.4580, 23.6340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 62, 108) }
```

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

```
.background{ background-color: rgb(106, 62,  
108) }
```

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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