

Converting Colors

YIQ(80.2250, 67.6160, 63.1680)

Have a look what the booklet for
YIQ(80.2250, 67.6160, 63.1680)
contains.

YIQ(80.2250, 67.6160, 63.1680)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(80.2250, 67.6160,
63.1680)**

Conversions

Conversions Part 1

Format	Color
Hex	B81571
RGB	184, 21, 113
RGB Percent	72%, 8%, 44%
CMY	0.2780, 0.9178, 0.5567
CMYK	0.00, 0.89, 0.39, 0.28
HSL	326°, 80%, 40%
HSV	326°, 89%, 72%
XYZ	23.0447, 11.9316, 16.7261
YIQ	80.2250, 67.6160, 63.1680

Conversions

Conversions Part 2

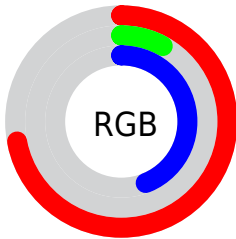
Format	Color
RYB	184, 21, 113
Decimal	12064113
CIELab	41.11, 65.63, -8.65
CIELCh	41, 66.196, 352.490
Yxy	11.9316, 0.4457, 0.2308
Android (android.graphics.Color)	4290254193 (0xFFB81571)
YUV	80.2250, 16.1581, 91.0107
Hunter-Lab	34.5421, 58.6374, -4.5300

Details

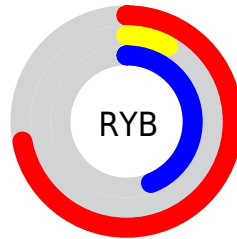
The YIQ color **80.2250, 67.6160, 63.1680** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **124.7750, -67.6160, -63.1680**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **144.5960, 67.7090, 55.9730**, and **44.7850, 53.6350, 46.7150** is the 20% darker color. If you saturate the color by 10%, you get **68.7470, 75.1340, 70.0940**, and if you desaturate by 10%, it is **91.7030, 60.0980, 56.2420**.

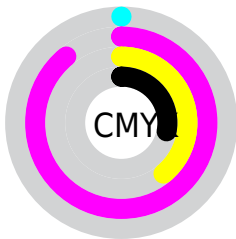
Distribution



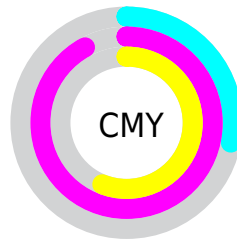
- Red (72%)
- Green (8%)
- Blue (44%)



- Red (72%)
- Yellow (8%)
- Blue (44%)



- Cyan (0%)
- Magenta (89%)
- Yellow (39%)
- Black (28%)





- Cyan (28%)
- Magenta (92%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 80.2250, 67.6160, 63.1680 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 80.2250, 67.6160, 63.1680 by changing the saturation by 10% instead.


 80.2250, 67.6160,
63.1680


 80.2250, 67.6160,
63.1680


255.0000, -0.0000,
-0.0000

 56.4910, 63.8110,
60.5390


 144.8950, 68.3050,
56.1850


 44.7850, 53.6350,
46.7150


 167.9860, 57.6230,
51.5350


 33.9050, 44.0090,
33.9370

 188.2010, 40.6600,
45.0760

 23.5520, 34.3370,
21.9930

 208.4160, 23.6970,
38.6170

 12.0740, 23.5190,
8.7910

 226.2370, 13.4750,
25.6270

 0.0000, 0.0000,
0.0000

 243.2600, 5.5000,

10.4600

■ 80.2250, 67.6160,
63.1680

■ 80.2250, 67.6160,
63.1680

■ 68.7470, 75.1340,
70.0940

■ 91.7030, 60.0980,
56.2420

■ 66.8720, 76.2800,
71.3520

■ 103.7680, 52.3050,
48.7930

■ 115.2460, 44.7870,
41.8670

■ 127.3110, 36.9940,
34.4180

■ 138.7890, 29.4760,
27.4920

■ 150.2670, 21.9580,
20.5660

■ 162.3320, 14.1650,
13.1170

■ 173.8100, 6.6470,
6.1910

■ 185.8750, -1.1460,
-1.2580

Harmonies

Analogous

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



96.6950, 19.0180, 51.8340



80.2250, 67.6160, 63.1680



79.9610, 85.1340, 43.0380

Triad

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



80.2250, 67.6160, 63.1680



85.8430, 17.9340, -38.6900



89.5410, -90.9180, -4.2780

Complementary

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



80.2250, 67.6160, 63.1680



124.7750, -67.6160, -63.1680

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.



86.0580, -76.9770, -20.1530



80.2250, 67.6160, 63.1680



69.7850, -38.0450, -53.9250

Square

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



80.2250, 67.6160, 63.1680



91.7000, 52.7300, -19.5100



79.0870, -58.7260, -37.0460



86.8800, -95.8260, 7.5820

Rectangle

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



80.2250, 67.6160, 63.1680



86.7700, 83.2130, 17.2690



79.0870, -58.7260, -37.0460



89.2330, -87.2950, -9.3670

Sweetspot

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



80.2250, 67.6160, 63.1680



198.6530, 26.8630, 25.2870



60.8110, -10.0070, 65.7450



95.1690, 16.1820, 15.1100



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000

Same Dimension

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



80.2250, 67.6160, 63.1680



87.1500, 99.7050, 92.8650



70.9910, 93.6170, 37.9770



86.2610, 3.7590, 3.4630



56.6760, 64.7280, 60.4400



10.1960, 11.5520, 10.9120

Inverse Universe

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



80.2250, 67.6160, 63.1680



87.1500, 99.7050, 92.8650



134.0090, -93.6170, -37.9770



86.2610, 3.7590, 3.4630



56.6760, 64.7280, 60.4400



10.1960, 11.5520, 10.9120

Previews

White Background



This preview shows how the YIQ color 80.2250, 67.6160, 63.1680 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

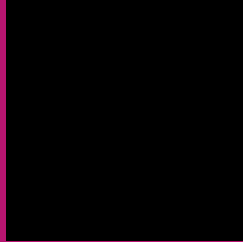
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 80.2250, 67.6160, 63.1680

Background



This preview shows how black text looks on a background with the YIQ color 80.2250, 67.6160, 63.1680.



This preview shows how white text looks on a background with the YIQ color 80.2250, 67.6160,

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

80.2250, 67.6160, 63.1680

Protanopia

96.6040, -33.3350, 14.9290

Deuteranopia

99.7170, 2.4750, 4.7070



Tritanopia

87.6960, 78.0300, 28.6060

Trichromacy



Original Color

80.2250, 67.6160, 63.1680

Protanomaly

90.7770, 3.3870, 32.2430

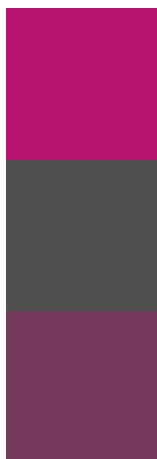
Deuteranomaly

92.8810, 26.2210, 25.9090

Tritanomaly

84.7470, 73.9930, 41.2010

Monochromacy



Original Color

80.2250, 67.6160, 63.1680

Achromatopsia

80.0000, 0.0000, -0.0000

Achromatomaly

80.4030, 24.5710, 22.7710

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.2250, 67.6160, 63.1680 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(184, 21, 113)` looks like.

```
.text, #text, p{  
    color:rgb(184, 21, 113)  
}
```

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(184, 21, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 21, 113) }
```

Border

The CSS property to change the border of an element to YIQ 80.2250, 67.6160, 63.1680 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(184, 21, 113) }
```


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

```
.border{ border-color:rgb(184, 21, 113) }
```

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

Here you see how a box with a 4 pixel rgb(184, 21, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 21, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 21, 113);  
box-shadow:4px 4px 4px 4px rgb(184, 21,  
113) }
```

Background

The CSS property to change the background color of an element to YIQ 80.2250, 67.6160, 63.1680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 21, 113) }
```

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

```
.background{ background-color: rgb(184, 21,  
113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor