

Converting Colors

YIQ(80.1250, -6.8810, 20.0870)

Have a look what the booklet for
YIQ(80.1250, -6.8810, 20.0870)
contains.

| | |
|--|----|
| YIQ(80.1250, -6.8810, 20.0870) | 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(80.1250, -6.8810,
20.0870)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 56457A |
| RGB | 86, 69, 122 |
| RGB Percent | 34%, 27%, 48% |
| CMY | 0.6627, 0.7294, 0.5216 |
| CMYK | 0.29, 0.43, 0.00, 0.52 |
| HSL | 259°, 28%, 37% |
| HSV | 259°, 43%, 48% |
| XYZ | 9.4789, 7.6394, 19.3817 |
| YIQ | 80.1250, -6.8810, 20.0870 |

Conversions

Conversions Part 2

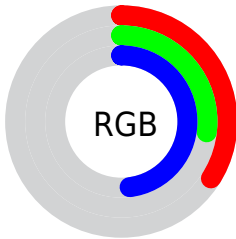
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 86, 69, 122 |
| Decimal | 5653882 |
| CIE _{Lab} | 33.22, 19.71, -27.64 |
| CIE _{LCh} | 33, 33.952, 305.494 |
| Yxy | 7.6394, 0.2597, 0.2093 |
| Android (android.graphics.Color) | 4283843962 (0xFF56457A) |
| YUV | 80.1250, 20.6444, 5.1524 |
| Hunter-Lab | 27.6395, 12.8473, -22.2283 |

Details

The YIQ color $[80.1250, -6.8810, 20.0870]$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $[110.8750, 6.8810, -20.0870]$, and the grayscale version is $[80.0000, 0.0000, -0.0000]$.

A 20% lighter version of the original color is $[129.5920, -6.6980, 22.2780]$, and $[34.3590, -7.6600, 17.6840]$ is the 20% darker color. If you saturate the color by 10%, you get $[70.6890, -8.3490, 24.6670]$, and if you desaturate by 10%, it is $[89.5610, -5.4130, 15.5070]$.

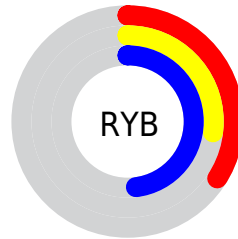
Distribution



Red (34%)

Green (27%)

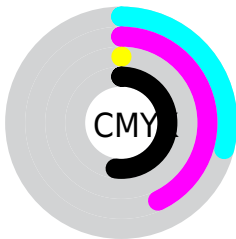
Blue (48%)



Red (34%)

Yellow (27%)

Blue (48%)

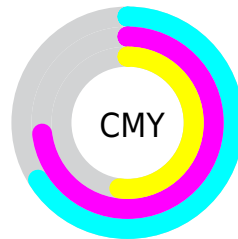


Cyan (29%)

Magenta (43%)

Yellow (0%)

Black (52%)



Cyan (66%)

Magenta (73%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 80.1250, -6.8810, 20.0870 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 80.1250, -6.8810, 20.0870 by changing the saturation by 10% instead.

80.1250, -6.8810,
20.0870

80.1250, -6.8810,
20.0870

255.0000, -0.0000,
-0.0000

56.5980, -6.8350,
19.2530

129.5920, -6.6980,
22.2780

34.3590, -7.6600,
17.6840

156.0050, -6.4230,
22.8010

11.0820, -5.3220,
19.3660

183.1190, -6.7440,
23.1120

4.3660, -9.5380,
7.6620

210.4890, -4.9100,
22.9140

0.0000, 0.0000,
0.0000

235.2970, 4.0780,
14.2060

254.4130, 0.2750,

0.5230

■ 80.1250, -6.8810,
20.0870

■ 80.1250, -6.8810,
20.0870

■ 70.6890, -8.3490,
24.6670

■ 89.5610, -5.4130,
15.5070

■ 60.9540, -10.4130,
29.0350

■ 99.2960, -3.3490,
11.1390

■ 50.9310, -11.6060,
34.1380

■ 109.3190, -2.1560,
6.0360

■ 41.4950, -13.0740,
38.7180

■ 118.7550, -0.6880,
1.4560

■ 32.0590, -14.5420,
43.2980

■ 128.1910, 0.7800,
-3.1240

■ 25.5690, -15.9180,
46.2100

■ 137.9260, 2.8440,
-7.4920

■ 147.3620, 4.3120,
-12.0720

■ 157.3850, 5.5050,
-17.1750

■ 167.1200, 7.5690,
-21.5430

Harmonies

Analogous

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



71.2880, -44.4290, 6.7310



80.1250, -6.8810, 20.0870



79.9450, 20.1690, 25.4570

Triad

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



80.1250, -6.8810, 20.0870



76.5850, 37.5970, -4.0590



62.7650, -51.3470, -22.0910

Complementary

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



80.1250, -6.8810, 20.0870



110.8750, 6.8810, -20.0870

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.



63.8840, -32.8690, -26.5730



80.1250, -6.8810, 20.0870



74.4920, 24.2570, -15.6070

Square

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



80.1250, -6.8810, 20.0870



77.4800, 42.8670, 10.5710



71.4830, 2.1130, -21.7830



65.8430, -60.0140, -13.6940

Rectangle

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



80.1250, -6.8810, 20.0870



78.5350, 33.0070, 24.0710



71.4830, 2.1130, -21.7830



61.7390, -48.4580, -24.8900

Sweetspot

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



80.1250, -6.8810, 20.0870



142.0740, -2.8440, 7.4920



96.1740, -26.9130, -2.3450



68.6780, -1.7890, 4.8910



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.



80.1250, -6.8810, 20.0870



93.1220, -10.8260, 31.0140



87.8990, 8.6150, 25.5990



56.2820, -0.7340, 2.2900



26.2100, -16.2850, 47.3550



52.9470, -32.6160, 95.5440

Inverse Universe

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



88.9510, 20.0320, 22.4320



106.9020, 30.8960, 34.8000



103.1010, -8.6150, -25.5990



57.2500, 2.2920, 2.5160



47.0650, 47.2150, 52.9350



94.8420, 95.3010, 106.6050

Previews

White Background



This preview shows how the YIQ color 80.1250, -6.8810, 20.0870 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



This preview shows how the YIQ color 80.1250, -6.8810, 20.0870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

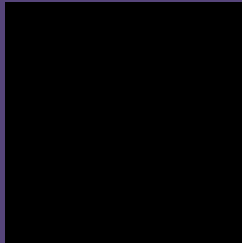
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 80.1250, -6.8810, 20.0870

Background



This preview shows how black text looks on a background with the YIQ color 80.1250, -6.8810, 20.0870.



This preview shows how white text looks on a background with the YIQ color 80.1250, -6.8810,

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

80.1250, -6.8810, 20.0870

Protanopia

76.9480, -28.6120, 11.9320

Deuteranopia

76.5090, -25.9980, 8.6100



Tritanopia

78.9830, -1.3300, 2.0780

Trichromacy



Original Color

80.1250, -6.8810, 20.0870

Protanomaly

78.1340, -20.2680, 14.9000

Deuteranomaly

78.1510, -18.9380, 12.8220

Tritanomaly

79.7150, -3.2110, 8.6370

Monochromacy



Original Color

80.1250, -6.8810, 20.0870

Achromatopsia

80.0000, 0.0000, -0.0000

Achromatomaly

79.9600, -2.5230, 7.1810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.1250, -6.8810, 20.0870 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(86, 69, 122)` looks like.

```
.text, #text, p{  
    color:rgb(86, 69, 122)  
}
```

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(86, 69, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 69, 122) }
```

Border

The CSS property to change the border of an element to YIQ 80.1250, -6.8810, 20.0870 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(86, 69, 122) }
```


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

```
.border{ border-color:rgb(86, 69, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 69, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 69, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 69, 122);  
box-shadow:4px 4px 4px 4px rgb(86, 69,  
122) }
```

Background

The CSS property to change the background color of an element to YIQ 80.1250, -6.8810, 20.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 69, 122) }
```

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

```
.background{ background-color: rgb(86, 69,  
122) }
```

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