

Converting Colors

YIQ(50.8980, 2.3290, 51.4250)

Have a look what the booklet for
YIQ(50.8980, 2.3290, 51.4250)
contains.

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Color

**YIQ(50.8980, 2.3290,
51.4250)**

Conversions

Conversions Part 1

Format	Color
Hex	551188
RGB	85, 17, 136
RGB Percent	33%, 7%, 53%
CMY	0.6664, 0.9334, 0.4667
CMYK	0.37, 0.88, 0.00, 0.47
HSL	274°, 78%, 30%
HSV	274°, 88%, 53%
XYZ	8.3942, 4.1111, 23.6358
YIQ	50.8980, 2.3290, 51.4250

Conversions

Conversions Part 2

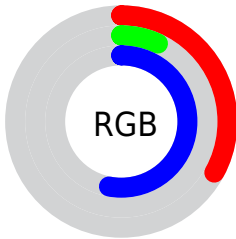
Format	Color
R_{YB}	85, 17, 136
Decimal	5575048
CIE _{Lab}	24.04, 50.10, -51.17
CIE _{LCh}	24, 71.613, 314.392
Yxy	4.1111, 0.2323, 0.1138
Android (android.graphics.Color)	4283765128 (0xFF551188)
YUV	50.8980, 41.9553, 29.9075
Hunter-Lab	20.2759, 38.4163, -54.9218

Details

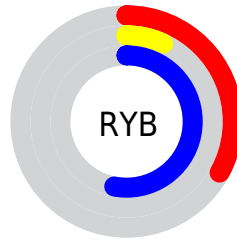
The YIQ color **50.8980, 2.3290, 51.4250** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **102.1020, -2.3290, -51.4250**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **105.1970, 2.9250, 51.6370**, and **18.6600, -9.4050, 32.7950** is the 20% darker color. If you saturate the color by 10%, you get **40.8860, 2.6030, 57.4750**, and if you desaturate by 10%, it is **60.9100, 2.0550, 45.3750**.

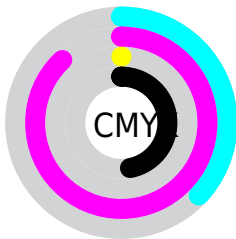
Distribution



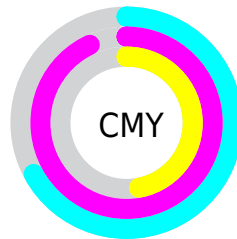
- Red (33%)
- Green (7%)
- Blue (53%)



- Red (33%)
- Yellow (7%)
- Blue (53%)



- Cyan (37%)
- Magenta (88%)
- Yellow (0%)
- Black (47%)



- Cyan (67%)
- Magenta (93%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 50.8980, 2.3290, 51.4250 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 50.8980, 2.3290, 51.4250 by changing the saturation by 10% instead.

■ 50.8980, 2.3290,
51.4250

■ 50.8980, 2.3290,
51.4250

■ 255.0000, -0.0000,
-0.0000

■ 29.8820, -0.7420,
46.5060

■ 105.1970, 2.9250,
51.6370

■ 18.6600, -9.4050,
32.7950

■ 132.0230, 3.4750,
52.6830

■ 6.9540, -19.5810,
18.9710

■ 159.8490, 4.0250,
53.7290

■ 6.0930, -13.0230,
10.2490

■ 184.6940, 11.5910,
48.7670

■ 2.2970, -5.0900,
4.1420

■ 209.8010, 21.1750,
40.2710

■ 0.0000, 0.0000,
0.0000

■ 226.2370, 13.4750,


25.6270

 243.2600, 5.5000,
10.4600

 50.8980, 2.3290,
51.4250

 50.8980, 2.3290,
51.4250

 40.8860, 2.6030,
57.4750

 60.9100, 2.0550,
45.3750

 38.8260, 2.8320,
58.8320

 70.3350, 2.0560,
39.8480

 80.3470, 1.7820,
33.7980

 89.4730, 1.1870,
28.0590

 99.4850, 0.9130,
22.0090

■ 109.4970, 0.6390,
15.9590

■ 118.9220, 0.6400,
10.4320

■ 128.9340, 0.3660,
4.3820

■ 138.0600, -0.2290,
-1.3570

Harmonies

Analogous

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



52.2690, -68.6400, 21.5040



50.8980, 2.3290, 51.4250



50.0980, 51.6160, 55.7760

Triad

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



50.8980, 2.3290, 51.4250



53.9340, 43.9240, -3.0840



54.0740, -47.5430, -13.9350

Complementary

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



50.8980, 2.3290, 51.4250



102.1020, -2.3290, -51.4250

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.



46.8750, -28.6500, -31.4500



50.8980, 2.3290, 51.4250



51.0340, 10.6870, -22.9850

Square

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



50.8980, 2.3290, 51.4250



37.9730, 75.6920, 26.9240



41.6770, -19.5250, -37.1330



60.3610, -63.8680, 1.0920

Rectangle

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



50.8980, 2.3290, 51.4250



48.9840, 69.1320, 46.7000



41.6770, -19.5250, -37.1330



51.9080, -41.4440, -19.8440

Sweetspot

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



50.8980, 2.3290, 51.4250



143.0180, 0.7300, 19.8180



61.0900, -52.4990, 9.8130



69.5630, 0.2730, 11.5770



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

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



50.8980, 2.3290, 51.4250



50.2630, 3.7000, 76.1480



65.2350, 35.2930, 59.7490



63.9940, 0.1370, 3.0250



37.8860, 2.6030, 57.4750



1.4670, 0.1830, 2.1910

Inverse Universe

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



58.3950, 54.5530, 41.0890



61.1740, 80.8210, 60.6370



87.7650, -35.2930, -59.7490



64.4350, 3.2090, 2.4170



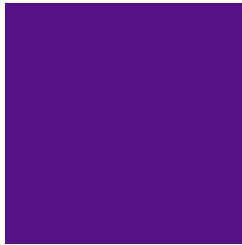
46.2650, 60.9710, 45.9230



1.7230, 2.3380, 1.6820

Previews

White Background



This preview shows how the YIQ color 50.8980, 2.3290, 51.4250 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

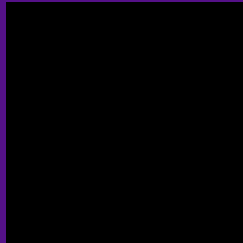
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 50.8980, 2.3290, 51.4250

Background



This preview shows how black text looks on a background with the YIQ color 50.8980, 2.3290, 51.4250.



This preview shows how white text looks on a background with the YIQ color 50.8980, 2.3290,

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

50.8980, 2.3290, 51.4250

Protanopia

47.1390, -54.1950, 7.5090

Deuteranopia

46.9620, -49.5630, 0.6530



Tritanopia

59.9410, 7.6560, 4.4240

Trichromacy



Original Color

50.8980, 2.3290, 51.4250

Protanomaly

48.2870, -33.5200, 23.7920

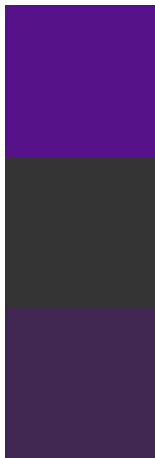
Deuteranomaly

48.2070, -30.5390, 19.3250

Tritanomaly

56.4100, 5.4980, 21.5140

Monochromacy



Original Color

50.8980, 2.3290, 51.4250

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

51.0780, 0.5010, 18.4610

CSS Examples

Text

The CSS property to change the color of the text to YIQ 50.8980, 2.3290, 51.4250 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(85, 17, 136)` looks like.

```
.text, #text, p{  
    color:rgb(85, 17, 136)  
}
```

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(85, 17, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 17, 136) }
```

Border

The CSS property to change the border of an element to YIQ 50.8980, 2.3290, 51.4250 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(85, 17, 136) }
```


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

```
.border{ border-color:rgb(85, 17, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 17, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 17, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 17, 136);  
box-shadow:4px 4px 4px 4px rgb(85, 17,  
136) }
```

Background

The CSS property to change the background color of an element to YIQ 50.8980, 2.3290, 51.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 17, 136) }
```

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

```
.background{ background-color: rgb(85, 17,  
136) }
```

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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