

Converting Colors

YIQ(50.2200, 4.1180, 46.5340)

Have a look what the booklet for
YIQ(50.2200, 4.1180, 46.5340)
contains.

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Color

**YIQ(50.2200, 4.1180,
46.5340)**

Conversions

Conversions Part 1

Format	Color
Hex	53137D
RGB	83, 19, 125
RGB Percent	33%, 7%, 49%
CMY	0.6743, 0.9256, 0.5099
CMYK	0.34, 0.85, 0.00, 0.51
HSL	276°, 74%, 28%
HSV	276°, 85%, 49%
XYZ	7.5052, 3.7866, 19.7317
YIQ	50.2200, 4.1180, 46.5340

Conversions

Conversions Part 2

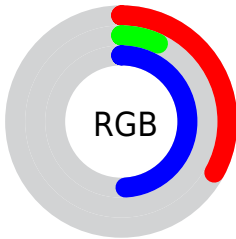
Format	Color
R_{YB}	83, 19, 125
Decimal	5444477
CIE _{Lab}	22.95, 46.61, -46.02
CIE _{LCh}	23, 65.498, 315.364
Yxy	3.7866, 0.2419, 0.1221
Android (android.graphics.Color)	4283634557 (0xFF53137D)
YUV	50.2200, 36.8665, 28.7481
Hunter-Lab	19.4592, 34.7919, -46.4988

Details

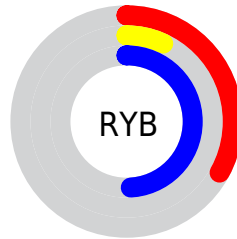
The YIQ color **50.2200, 4.1180, 46.5340** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **93.7800, -4.1180, -46.5340**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **103.6330, 4.3930, 47.0570**, and **17.8190, -5.5990, 29.8970** is the 20% darker color. If you saturate the color by 10%, you get **41.0940, 4.7130, 52.2730**, and if you desaturate by 10%, it is **58.7590, 3.7980, 41.3180**.

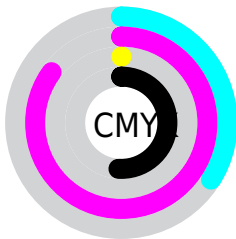
Distribution



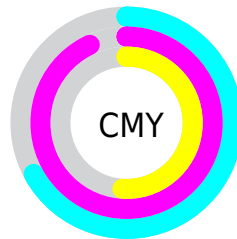
- Red (33%)
- Green (7%)
- Blue (49%)



- Red (33%)
- Yellow (7%)
- Blue (49%)



- Cyan (34%)
- Magenta (85%)
- Yellow (0%)
- Black (51%)



- Cyan (67%)
- Magenta (93%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 50.2200, 4.1180, 46.5340 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 50.2200, 4.1180, 46.5340 by changing the saturation by 10% instead.

■ 50.2200, 4.1180,
46.5340

■ 50.2200, 4.1180,
46.5340

■ 255.0000, -0.0000,
-0.0000

■ 28.3290, 2.1930,
42.8730

■ 103.5190, 4.7140,
46.7460

■ 17.8190, -5.5990,
29.8970

■ 129.7580, 5.5390,
48.3150

■ 5.8140, -16.3710,
15.8610

■ 156.6980, 5.7680,
49.6720

■ 4.4800, -9.8590,
7.9730

■ 183.4980, 9.2070,
47.9190


■ 0.0000, 0.0000,
0.0000

■ 208.0180, 19.0660,
39.9460


■ 225.6500, 13.7500,

26.1500

 242.6730, 5.7750,
10.9830

 50.2200, 4.1180,
46.5340

 50.2200, 4.1180,
46.5340

 41.0940, 4.7130,
52.2730


 58.7590, 3.7980,
41.3180

 36.9740, 5.1710,
54.9870

 67.8850, 3.2030,
35.5790

 76.4240, 2.8830,
30.3630

 85.5500, 2.2880,
24.6240

 94.0890, 1.9680,
19.4080

■ 103.2150, 1.3730,
13.6690

■ 111.7540, 1.0530,
8.4530

■ 120.8800, 0.4580,
2.7140

■ 129.4190, 0.1380,
-2.5020

Harmonies

Analogous

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



49.0260, -63.6420, 19.0300



50.2200, 4.1180, 46.5340



46.6090, 48.4990, 51.6910

Triad

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



50.2200, 4.1180, 46.5340



51.8410, 39.7520, -4.5680



51.9710, -45.7550, -13.2990

Complementary

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



50.2200, 4.1180, 46.5340



93.7800, -4.1180, -46.5340

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.



44.8690, -28.5130, -28.4250



50.2200, 4.1180, 46.5340



48.6750, 10.3200, -21.8400

Square

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



50.2200, 4.1180, 46.5340



35.5810, 70.9240, 25.2280



39.9160, -18.7000, -35.5640



57.1010, -60.2000, 0.6960

Rectangle

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



50.2200, 4.1180, 46.5340



45.6520, 64.1350, 43.6470



39.9160, -18.7000, -35.5640



49.4460, -40.0230, -18.0630

Sweetspot

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



50.2200, 4.1180, 46.5340



134.1490, 1.7390, 18.0510



55.7380, -45.5760, 11.0000



64.3350, 0.9150, 10.9550



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000

Same Dimension

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



50.2200, 4.1180, 46.5340



48.1830, 6.6810, 71.6810



61.5240, 32.6810, 52.0170



58.9940, 0.1370, 3.0250



37.6150, 4.8040, 56.1320



0.0000, 0.0000, 0.0000

Inverse Universe

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



55.4820, 49.6940, 35.5340



56.1470, 76.2830, 54.7710



82.4760, -32.6810, -52.0170



59.4350, 3.2090, 2.4170



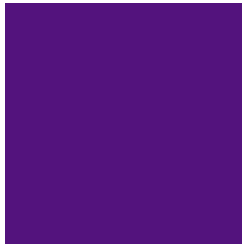
43.9720, 60.2380, 42.6860



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 50.2200, 4.1180, 46.5340 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

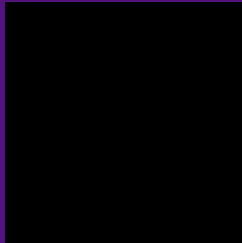
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 50.2200, 4.1180, 46.5340

Background



This preview shows how black text looks on a background with the YIQ color 50.2200, 4.1180, 46.5340.



This preview shows how white text looks on a background with the YIQ color 50.2200, 4.1180,

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

50.2200, 4.1180, 46.5340

Protanopia

44.8080, -51.7650, 7.5230

Deuteranopia

45.3320, -47.7290, 0.4550



Tritanopia

57.1370, 10.0400, 5.2720

Trichromacy



Original Color

50.2200, 4.1180, 46.5340

Protanomaly

46.6030, -31.5940, 21.9260

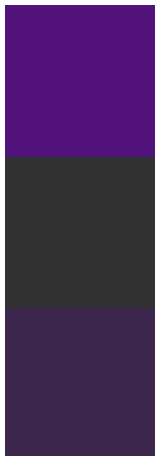
Deuteranomaly

47.1100, -28.8880, 16.9360

Tritanomaly

54.4380, 8.2950, 20.3830

Monochromacy



Original Color

50.2200, 4.1180, 46.5340

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

50.2090, 1.5100, 16.6940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 50.2200, 4.1180, 46.5340 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(83, 19, 125)` looks like.

```
.text, #text, p{  
    color:rgb(83, 19, 125)  
}
```

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(83, 19, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 19, 125) }
```

Border

The CSS property to change the border of an element to YIQ 50.2200, 4.1180, 46.5340 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(83, 19, 125) }
```


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

```
.border{ border-color:rgb(83, 19, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 19, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 19, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 19, 125);  
box-shadow:4px 4px 4px 4px rgb(83, 19,  
125) }
```

Background

The CSS property to change the background color of an element to YIQ 50.2200, 4.1180, 46.5340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 19, 125) }
```

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

```
.background{ background-color: rgb(83, 19,  
125) }
```

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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