

Converting Colors

YIQ(51.2420, 25.3880, 68.5560)

Have a look what the booklet for
YIQ(51.2420, 25.3880, 68.5560)
contains.

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Color

**YIQ(51.2420, 25.3880,
68.5560)**

Conversions

Conversions Part 1

Format	Color
Hex	76008C
RGB	118, 0, 140
RGB Percent	46%, 0%, 55%
CMY	0.5369, 1.0000, 0.4510
CMYK	0.16, 1.00, 0.00, 0.45
HSL	291°, 100%, 27%
HSV	291°, 100%, 55%
XYZ	12.2174, 5.7515, 25.2764
YIQ	51.2420, 25.3880, 68.5560

Conversions

Conversions Part 2

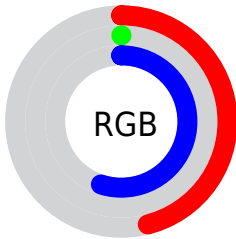
Format	Color
R_{YB}	118, 0, 140
Decimal	7733388
CIE Lab	28.78, 59.34, -45.72
CIE LCh	29, 74.905, 322.387
Yxy	5.7515, 0.2825, 0.1330
Android (android.graphics.Color)	4285923468 (0xFF76008C)
YUV	51.2420, 43.7577, 58.5468
Hunter-Lab	23.9823, 48.9652, -45.7017

Details

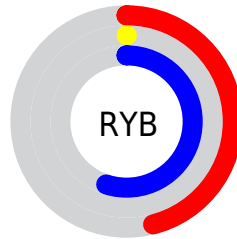
The YIQ color **51.2420, 25.3880, 68.5560** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **88.7580, -25.3880, -68.5560**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **115.8190, 21.9050, 60.0890**, and **29.2820, 9.5750, 41.2470** is the 20% darker color. If you saturate the color by 10%, you get **51.2420, 25.3880, 68.5560**, and if you desaturate by 10%, it is **60.0580, 22.7300, 61.6580**.

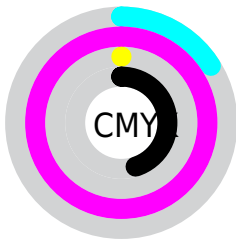
Distribution



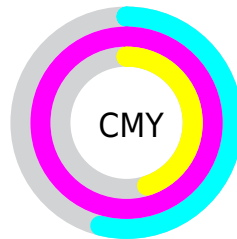
- Red (46%)
- Green (0%)
- Blue (55%)



- Red (46%)
- Yellow (0%)
- Blue (55%)



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (45%)



- Cyan (54%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.2420, 25.3880, 68.5560 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 51.2420, 25.3880, 68.5560 by changing the saturation by 10% instead.

51.2420, 25.3880,
68.5560

51.2420, 25.3880,
68.5560

255.0000, -0.0000,
-0.0000

40.2050, 17.6420,
54.7460

115.8190, 21.9050,
60.0890

29.2820, 9.5750,
41.2470

143.6450, 22.4550,
61.1350

19.3700, 2.9750,
28.6950

172.0580, 22.7300,
61.6580

4.7880, -13.4820,
13.0620

195.1260, 28.0500,
53.3460

2.7530, -6.3740,
5.3860

212.1490, 20.0750,
38.1790

0.0000, 0.0000,
0.0000

228.5850, 12.3750,

23.5350

■ 245.6080, 4.4000,
8.3680

■ 51.2420, 25.3880,
68.5560

■ 60.0580, 22.7300,
61.6580

■ 68.8740, 20.0720,
54.7600

■ 77.9890, 18.0100,
48.0740

■ 86.8050, 15.3520,
41.1760

■ 95.6210, 12.6940,
34.2780

■ 104.4370, 10.0360,
27.3800

■ 113.2530, 7.3780,
20.4820

■ 122.3680, 5.3160,
13.7960

■ 131.1840, 2.6580,
6.8980

Harmonies

Analogous

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



55.5120, -73.6380, 23.9780



51.2420, 25.3880, 68.5560



56.6330, 66.2870, 59.7190

Triad

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



51.2420, 25.3880, 68.5560



64.5110, 40.4410, -11.5510



64.8970, -60.1060, -12.0260

Complementary

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



51.2420, 25.3880, 68.5560



88.7580, -25.3880, -68.5560

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.



57.4700, -40.5710, -30.1630



51.2420, 25.3880, 68.5560



57.1590, 2.6650, -31.7910

Square

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



51.2420, 25.3880, 68.5560



52.9910, 75.2810, 17.8490



49.8950, -23.3750, -44.4550



70.0100, -75.8810, 4.0470

Rectangle

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



51.2420, 25.3880, 68.5560



53.9100, 81.1440, 49.2720



49.8950, -23.3750, -44.4550



62.6170, -53.6860, -18.2460

Sweetspot

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



51.2420, 25.3880, 68.5560



146.9100, 10.0820, 26.5460



29.4610, -51.2650, 31.5110



71.1340, 6.0950, 16.1990



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000

Same Dimension

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



51.2420, 25.3880, 68.5560



66.3810, 33.0870, 88.7270



52.4620, 53.5870, 58.6030



64.5920, 1.3290, 3.4490



48.6500, 24.0590, 65.1070



1.7660, 0.7790, 2.4030

Inverse Universe

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



44.3680, 76.3780, 36.5220



57.3110, 98.8880, 47.0800



87.5380, -53.5870, -58.6030



64.2070, 3.8510, 1.7950



42.1610, 72.5270, 34.7270



1.6090, 2.6590, 1.3710

Previews

White Background



This preview shows how the YIQ color 51.2420, 25.3880, 68.5560 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

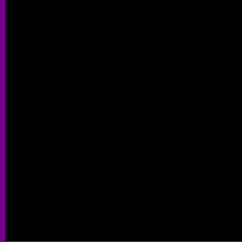
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.2420, 25.3880, 68.5560

Background



This preview shows how black text looks on a background with the YIQ color 51.2420, 25.3880, 68.5560.



This preview shows how white text looks on a background with the YIQ color 51.2420, 25.3880,

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

51.2420, 25.3880, 68.5560

Protanopia

57.0330, -65.5200, 9.0080

Deuteranopia

56.8560, -60.8880, 2.1520



Tritanopia

71.0040, 29.7080, 12.2680

Trichromacy



Original Color

51.2420, 25.3880, 68.5560

Protanomaly

54.9870, -32.3750, 30.5770

Deuteranomaly

54.9070, -29.3940, 26.1100

Tritanomaly

63.7660, 28.2830, 32.5950

Monochromacy



Original Color

51.2420, 25.3880, 68.5560

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

50.6710, 9.2570, 24.9770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.2420, 25.3880, 68.5560 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(118, 0, 140)` looks like.

```
.text, #text, p{  
    color:rgb(118, 0, 140)  
}
```

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(118, 0, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 0, 140) }
```

Border

The CSS property to change the border of an element to YIQ 51.2420, 25.3880, 68.5560 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(118, 0, 140) }
```


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

```
.border{ border-color:rgb(118, 0, 140) }
```

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

Here you see how a box with a 4 pixel rgb(118, 0, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(118, 0,  
140) }
```

Background

The CSS property to change the background color of an element to YIQ 51.2420, 25.3880, 68.5560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 0, 140) }
```

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

```
.background{ background-color: rgb(118, 0,  
140) }
```

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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