

Converting Colors

YIQ(58.8870, 27.2250, 51.7770)

Have a look what the booklet for
YIQ(58.8870, 27.2250, 51.7770)
contains.

YIQ(58.8870, 27.2250, 51.7770)	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(58.8870, 27.2250,
51.7770)**

Conversions

Conversions Part 1

Format	Color
Hex	751275
RGB	117, 18, 117
RGB Percent	46%, 7%, 46%
CMY	0.5409, 0.9296, 0.5411
CMYK	0.00, 0.85, 0.00, 0.54
HSL	300°, 73%, 26%
HSV	300°, 85%, 46%
XYZ	10.7733, 5.5030, 17.3265
YIQ	58.8870, 27.2250, 51.7770

Conversions

Conversions Part 2

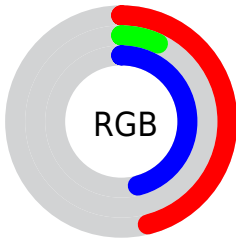
Format	Color
R_{YB}	117, 18, 117
Decimal	7672437
CIE _{Lab}	28.12, 51.79, -32.31
CIE _{LCh}	28, 61.044, 328.046
Yxy	5.5030, 0.3206, 0.1638
Android (android.graphics.Color)	4285862517 (0xFF751275)
YUV	58.8870, 28.6497, 50.9651
Hunter-Lab	23.4584, 40.9240, -27.3709

Details

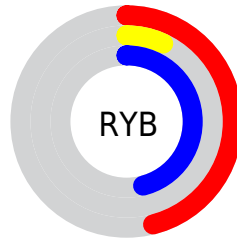
The YIQ color **58.8870, 27.2250, 51.7770** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **76.1130, -27.2250, -51.7770**, and the grayscale version is **59.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **115.4200, 27.0420, 49.5860**, and **26.8880, 16.3160, 34.7160** is the 20% darker color. If you saturate the color by 10%, you get **51.8430, 30.5250, 58.0530**, and if you desaturate by 10%, it is **65.9310, 23.9250, 45.5010**.

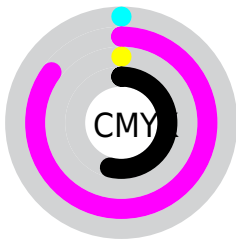
Distribution



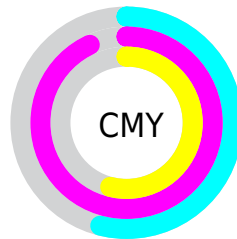
- Red (46%)
- Green (7%)
- Blue (46%)



- Red (46%)
- Yellow (7%)
- Blue (46%)



- Cyan (0%)
- Magenta (85%)
- Yellow (0%)
- Black (54%)



- Cyan (54%)
- Magenta (93%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 58.8870, 27.2250, 51.7770 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 58.8870, 27.2250, 51.7770 by changing the saturation by 10% instead.

■ 58.8870, 27.2250,
51.7770

■ 58.8870, 27.2250,
51.7770

■ 255.0000, -0.0000,
-0.0000

■ 37.3980, 24.1080,
47.6920

■ 115.4200, 27.0420,
49.5860

■ 26.8880, 16.3160,
34.7160

■ 143.0180, 28.2340,
50.0100

■ 17.6880, 10.5870,
22.8990

■ 170.7300, 29.1050,
50.7450

■ 3.2090, -7.6580,
6.6300

■ 197.3600, 27.2710,
50.9430

■ 0.0000, 0.0000,
0.0000

■ 213.9100, 19.2500,
36.6100

■ 230.9330, 11.2750,

21.4430

247.9560, 3.3000,
6.2760

58.8870, 27.2250,
51.7770

58.8870, 27.2250,
51.7770

51.8430, 30.5250,
58.0530

65.9310, 23.9250,
45.5010

48.3210, 32.1750,
61.1910

72.3880, 20.9000,
39.7480

79.4320, 17.6000,
33.4720

86.4760, 14.3000,
27.1960

93.5200, 11.0000,
20.9200

■ 99.9770, 7.9750,
15.1670

■ 107.0210, 4.6750,
8.8910

■ 114.0650, 1.3750,
2.6150

■ 120.5220, -1.6500,
-3.1380

Harmonies

Analogous

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



62.6550, -37.3720, 27.5240



58.8870, 27.2250, 51.7770



50.9650, 62.1160, 52.7080

Triad

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



58.8870, 27.2250, 51.7770



62.9830, 33.0600, -15.4520



62.4350, -58.6850, -10.2450

Complementary

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



58.8870, 27.2250, 51.7770



76.1130, -27.2250, -51.7770

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.



56.3760, -43.0020, -24.6500



58.8870, 27.2250, 51.7770



55.9740, 1.7480, -31.6920

Square

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



58.8870, 27.2250, 51.7770



59.9470, 60.2450, 3.9970



48.8180, -24.4760, -41.0200



65.4790, -70.0120, 2.3080

Rectangle

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



58.8870, 27.2250, 51.7770



47.7300, 72.6630, 43.2790



48.8180, -24.4760, -41.0200



60.6110, -53.5490, -15.2210

Sweetspot

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



58.8870, 27.2250, 51.7770



130.6940, 10.4500, 19.8740



29.2860, -31.7790, 30.7890



63.3850, 6.6460, 11.7180



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000

Same Dimension

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



58.8870, 27.2250, 51.7770



63.1890, 42.0750, 80.0190



53.3010, 42.9540, 36.5380



55.4780, 1.6500, 3.1380



50.3860, 33.5500, 63.8060



103.2500, 68.7500, 130.7500

Inverse Universe

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



58.8870, 27.2250, 51.7770



63.1890, 42.0750, 80.0190



81.8130, -43.2750, -36.2270



55.4780, 1.6500, 3.1380



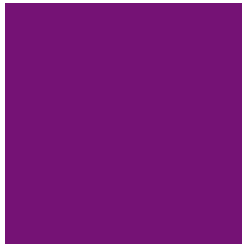
50.3860, 33.5500, 63.8060



103.2500, 68.7500, 130.7500

Previews

White Background



This preview shows how the YIQ color 58.8870, 27.2250, 51.7770 looks on a white background.

Color Contrast Check

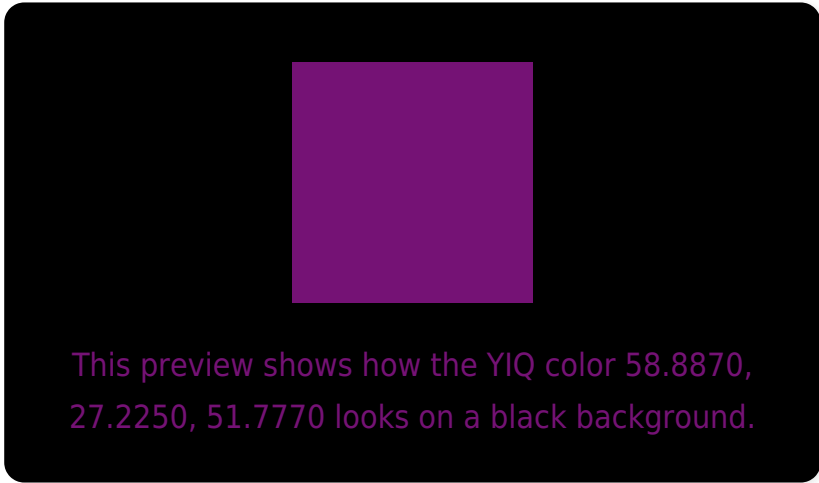
Large Text (above 18pt) WCAG AA ✓ Pass

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

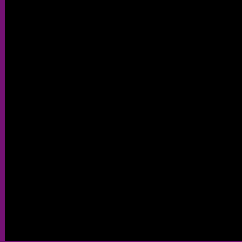
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 58.8870, 27.2250, 51.7770

Background



This preview shows how black text looks on a background with the YIQ color 58.8870, 27.2250, 51.7770.



This preview shows how white text looks on a background with the YIQ color 58.8870, 27.2250,

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

58.8870, 27.2250, 51.7770

Protanopia

54.7020, -63.0900, 9.0220

Deuteranopia

65.9000, -28.6570, 7.2390



Tritanopia

66.8800, 35.9890, 14.0770

Trichromacy



Original Color

58.8870, 27.2250, 51.7770

Protanomaly

56.6680, -30.2190, 24.5410

Deuteranomaly

63.1620, -8.3030, 23.8330

Tritanomaly

64.0560, 33.0980, 27.9300

Monochromacy



Original Color

58.8870, 27.2250, 51.7770

Achromatopsia

59.0000, 0.0000, -0.0000

Achromatomaly

58.8680, 9.9000, 18.8280

CSS Examples

Text

The CSS property to change the color of the text to YIQ 58.8870, 27.2250, 51.7770 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(117, 18, 117)` looks like.

```
.text, #text, p{  
    color:rgb(117, 18, 117)  
}
```

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(117, 18, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 18, 117) }
```

Border

The CSS property to change the border of an element to YIQ 58.8870, 27.2250, 51.7770 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(117, 18, 117) }
```


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

```
.border{ border-color:rgb(117, 18, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 18, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 18, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 18, 117);  
box-shadow:4px 4px 4px 4px rgb(117, 18,  
117) }
```

Background

The CSS property to change the background color of an element to YIQ 58.8870, 27.2250, 51.7770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 18, 117) }
```

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

```
.background{ background-color: rgb(117, 18,  
117) }
```

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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