

Converting Colors

YIQ(48.6170, 27.6850, 43.4370)

Have a look what the booklet for
YIQ(48.6170, 27.6850, 43.4370)
contains.

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Color

**YIQ(48.6170, 27.6850,
43.4370)**

Conversions

Conversions Part 1

Format	Color
Hex	660D5C
RGB	102, 13, 92
RGB Percent	40%, 5%, 36%
CMY	0.5997, 0.9491, 0.6392
CMYK	0.00, 0.87, 0.10, 0.60
HSL	307°, 77%, 23%
HSV	307°, 87%, 40%
XYZ	7.5628, 3.8885, 10.4800
YIQ	48.6170, 27.6850, 43.4370

Conversions

Conversions Part 2

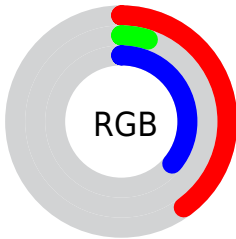
Format	Color
RYB	102, 13, 92
Decimal	6688092
CIELab	23.30, 45.66, -23.90
CIELCh	23, 51.538, 332.373
Yxy	3.8885, 0.3448, 0.1773
Android (android.graphics.Color)	4284878172 (0xFF660D5C)
YUV	48.6170, 21.3878, 46.8169
Hunter-Lab	19.7193, 33.9502, -17.7068

Details

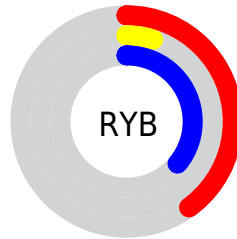
The YIQ color **48.6170, 27.6850, 43.4370** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **66.3830, -27.6850, -43.4370**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **104.0360, 27.8230, 40.9350**, and **20.7920, 16.2260, 25.3300** is the 20% darker color. If you saturate the color by 10%, you get **42.6330, 30.7560, 48.3560**, and if you desaturate by 10%, it is **54.6010, 24.6140, 38.5180**.

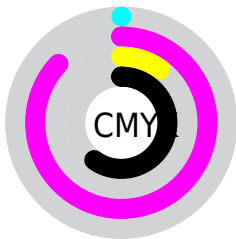
Distribution



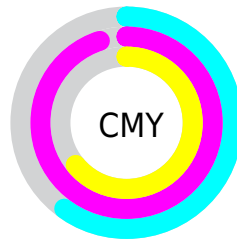
- Red (40%)
- Green (5%)
- Blue (36%)



- Red (40%)
- Yellow (5%)
- Blue (36%)



- Cyan (0%)
- Magenta (87%)
- Yellow (10%)
- Black (60%)



- Cyan (60%)
- Magenta (95%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.6170, 27.6850, 43.4370 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 48.6170, 27.6850, 43.4370 by changing the saturation by 10% instead.

■ 48.6170, 27.6850,
43.4370

■ 48.6170, 27.6850,
43.4370

■ 255.0000, -0.0000,
-0.0000

■ 30.4760, 23.4680,
37.2600

■ 104.0360, 27.8230,
40.9350

■ 20.7920, 16.2260,
25.3300

■ 130.6340, 29.0150,
41.3590

■ 9.9120, 6.6000,
12.5520

■ 157.4600, 29.5650,
42.4050

■ 0.0000, 0.0000,
0.0000


■ 185.4710, 31.0320,
43.3520


■ 208.3990, 22.3670,
40.6950


■ 225.0630, 14.0250,


26.6730


 242.0860, 6.0500,
11.5060


 48.6170, 27.6850,
43.4370


 48.6170, 27.6850,
43.4370


 42.6330, 30.7560,
48.3560


 54.6010, 24.6140,
38.5180

 40.8720, 31.5810,
49.9250

 60.5850, 21.5430,
33.5990

 67.1560, 18.1970,
28.1570

 73.2540, 14.8050,
23.5490

 79.2380, 11.7340,
18.6300

■ 85.2220, 8.6630,
13.7110

■ 91.2060, 5.5920,
8.7920

■ 97.7770, 2.2460,
3.3500

■ 103.7610, -0.8250,
-1.5690

Harmonies

Analogous

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



54.9960, -19.3990, 26.6890



48.6170, 27.6850, 43.4370



42.0360, 54.1860, 42.2340

Triad

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



48.6170, 27.6850, 43.4370



52.3180, 24.8070, -14.5610



52.6210, -50.3410, -7.2770

Complementary

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



48.6170, 27.6850, 43.4370



66.3830, -27.6850, -43.4370

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.



48.2890, -38.1430, -19.0950



48.6170, 27.6850, 43.4370



45.3420, -2.1040, -27.9600

Square

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



48.6170, 27.6850, 43.4370



51.0100, 46.7660, 0.4780



42.3270, -24.1110, -31.1110



54.0520, -58.5040, 3.0000

Rectangle

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



48.6170, 27.6850, 43.4370



38.8870, 61.6150, 34.2470



42.3270, -24.1110, -31.1110



51.2530, -46.4890, -11.0090

Sweetspot

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



48.6170, 27.6850, 43.4370



111.9990, 10.9090, 17.0610



25.8370, -23.2050, 29.5870



54.0320, 6.1420, 9.8380



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



48.6170, 27.6850, 43.4370



53.2190, 41.3900, 64.8940



43.7150, 41.4880, 30.0640



47.9510, 1.6960, 2.3040



46.0130, 35.7980, 56.1020



96.8680, 75.2170, 118.1690

Inverse Universe

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



48.6170, 27.6850, 43.4370



53.2190, 41.3900, 64.8940



71.2850, -41.4880, -30.0640



47.9510, 1.6960, 2.3040



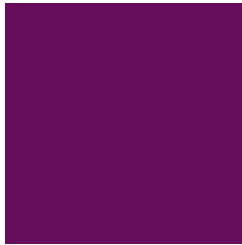
46.0130, 35.7980, 56.1020



96.8680, 75.2170, 118.1690

Previews

White Background



This preview shows how the YIQ color 48.6170, 27.6850, 43.4370 looks on a white background.

Color Contrast Check

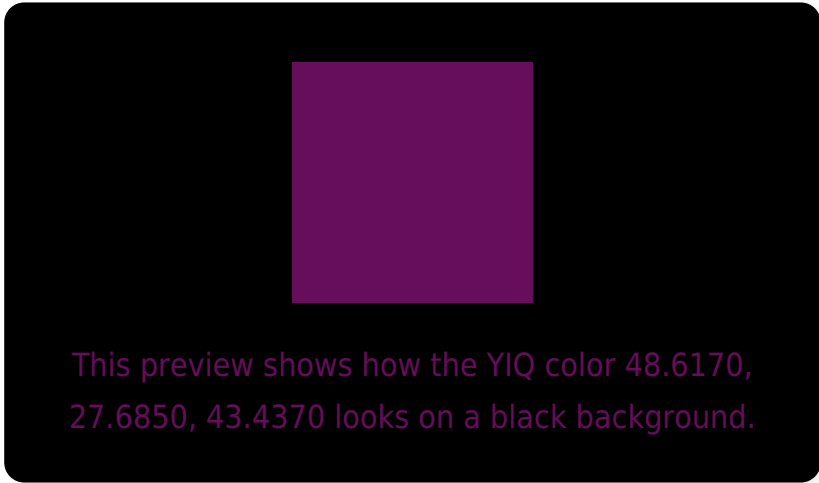
Large Text (above 18pt) WCAG AA ✓ Pass

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

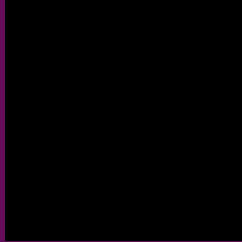
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.6170, 27.6850, 43.4370

Background



This preview shows how black text looks on a background with the YIQ color 48.6170, 27.6850, 43.4370.



This preview shows how white text looks on a background with the YIQ color 48.6170, 27.6850,

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

48.6170, 27.6850, 43.4370

Protanopia

46.4380, -53.5990, 7.7210

Deuteranopia

57.4190, -17.0570, 6.2630



Tritanopia

55.8690, 34.5220, 13.1300

Trichromacy



Original Color

48.6170, 27.6850, 43.4370

Protanomaly

46.9690, -23.9370, 20.8230

Deuteranomaly

54.5340, -0.7830, 19.7050

Tritanomaly

53.3500, 32.0900, 24.1700

Monochromacy



Original Color

48.6170, 27.6850, 43.4370

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

48.8740, 9.7630, 15.8030

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.6170, 27.6850, 43.4370 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(102, 13, 92)` looks like.

```
.text, #text, p{  
    color:rgb(102, 13, 92)  
}
```

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(102, 13, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 13, 92) }
```

Border

The CSS property to change the border of an element to YIQ 48.6170, 27.6850, 43.4370 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(102, 13, 92) }
```


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

```
.border{ border-color:rgb(102, 13, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 13, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 13, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 13, 92);  
box-shadow:4px 4px 4px 4px rgb(102, 13,  
92) }
```

Background

The CSS property to change the background color of an element to YIQ 48.6170, 27.6850, 43.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 13, 92) }
```

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

```
.background{ background-color: rgb(102, 13,  
92) }
```

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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