

Converting Colors

YIQ(68.3830, 45.6590, 37.0750)

Have a look what the booklet for
YIQ(68.3830, 45.6590, 37.0750)
contains.

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Color

**YIQ(68.3830, 45.6590,
37.0750)**

Conversions

Conversions Part 1

Format	Color
Hex	872051
RGB	135, 32, 81
RGB Percent	53%, 13%, 32%
CMY	0.4703, 0.8747, 0.6822
CMYK	0.00, 0.76, 0.40, 0.47
HSL	331°, 62%, 33%
HSV	331°, 76%, 53%
XYZ	12.0049, 6.7821, 8.4681
YIQ	68.3830, 45.6590, 37.0750

Conversions

Conversions Part 2

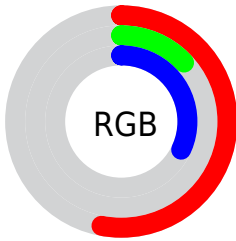
Format	Color
R_{YB}	135, 32, 81
Decimal	8855633
CIE _{Lab}	31.31, 46.96, -3.81
CIE _{LCh}	31, 47.118, 355.363
Yxy	6.7821, 0.4405, 0.2488
Android (android.graphics.Color)	4287045713 (0xFF872051)
YUV	68.3830, 6.2202, 58.4231
Hunter-Lab	26.0424, 36.7100, -1.0494

Details

The YIQ color **68.3830, 45.6590, 37.0750** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **98.6170, -45.6590, -37.0750**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **122.7100, 49.0520, 36.1560**, and **28.1380, 35.8030, 28.4670** is the 20% darker color. If you saturate the color by 10%, you get **59.3670, 51.7560, 42.2200**, and if you desaturate by 10%, it is **76.8120, 39.8370, 32.4530**.

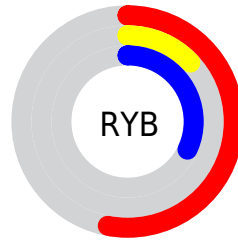
Distribution



Red (53%)

Green (13%)

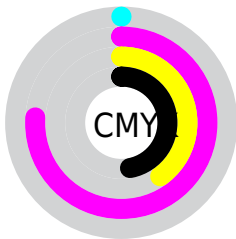
Blue (32%)



Red (53%)

Yellow (13%)

Blue (32%)

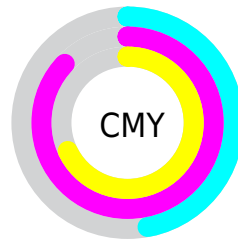


Cyan (0%)

Magenta (76%)

Yellow (40%)

Black (47%)



Cyan (47%)

Magenta (87%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.3830, 45.6590, 37.0750 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 68.3830, 45.6590, 37.0750 by changing the saturation by 10% instead.

68.3830, 45.6590,
37.0750

68.3830, 45.6590,
37.0750

255.0000, -0.0000,
-0.0000

38.6050, 45.1540,
40.7220

122.7100, 49.0520,
36.1560

28.1380, 35.8030,
28.4670

150.1940, 50.5650,
36.2690

18.4540, 28.5610,
16.5370

178.0910, 52.3530,
36.9050

6.2790, 12.5160,
4.4520

198.3280, 38.3240,
32.3400

0.0000, 0.0000,
0.0000

217.9560, 21.6360,
26.4040

236.8030, 8.5250,

16.2130

253.8260, 0.5500,
1.0460

■ 68.3830, 45.6590,
37.0750

■ 68.3830, 45.6590,
37.0750

■ 59.3670, 51.7560,
42.2200

■ 76.8120, 39.8370,
32.4530

■ 50.9380, 57.5780,
46.8420

■ 85.8280, 33.7400,
27.3080

■ 47.6610, 59.9160,
48.5240

■ 94.2570, 27.9180,
22.6860

■ 103.2730, 21.8210,
17.5410

■ 111.7020, 15.9990,
12.9190

■ 120.8320, 9.5810,
8.0850

■ 129.8480, 3.4840,
2.9400

■ 138.2770, -2.3380,
-1.6820

■ 147.2930, -8.4350,
-6.8270

Harmonies

Analogous

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



74.8880, 16.3160, 34.7160



68.3830, 45.6590, 37.0750



67.8120, 57.0320, 23.6880

Triad

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



68.3830, 45.6590, 37.0750



65.4870, 13.4850, -29.6430



66.3450, -66.9390, -3.8270

Complementary

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



68.3830, 45.6590, 37.0750



98.6170, -45.6590, -37.0750

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.



64.6860, -58.1340, -14.7260



68.3830, 45.6590, 37.0750



54.2610, -32.9130, -36.7930

Square

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



68.3830, 45.6590, 37.0750



69.4950, 37.3700, -16.4700



60.4680, -46.2570, -26.2330



63.8320, -69.5080, 4.1880

Rectangle

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



68.3830, 45.6590, 37.0750



68.8420, 56.3470, 8.5630



60.4680, -46.2570, -26.2330



66.6070, -64.9210, -7.3610

Sweetspot

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



68.3830, 45.6590, 37.0750



149.5390, 18.0160, 14.9120



59.5890, -1.4750, 43.2690



72.8430, 11.0480, 9.0320



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.



68.3830, 45.6590, 37.0750



71.2160, 71.8350, 58.2910



63.9710, 60.8380, 20.7900



62.1360, 2.6130, 2.2050



45.9380, 57.5780, 46.8420



1.0110, 1.4670, 0.9470

Inverse Universe

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



68.3830, 45.6590, 37.0750



71.2160, 71.8350, 58.2910



103.0290, -60.8380, -20.7900



62.1360, 2.6130, 2.2050



45.9380, 57.5780, 46.8420



1.0110, 1.4670, 0.9470

Previews

White Background



This preview shows how the YIQ color 68.3830, 45.6590, 37.0750 looks on a white background.

Color Contrast Check

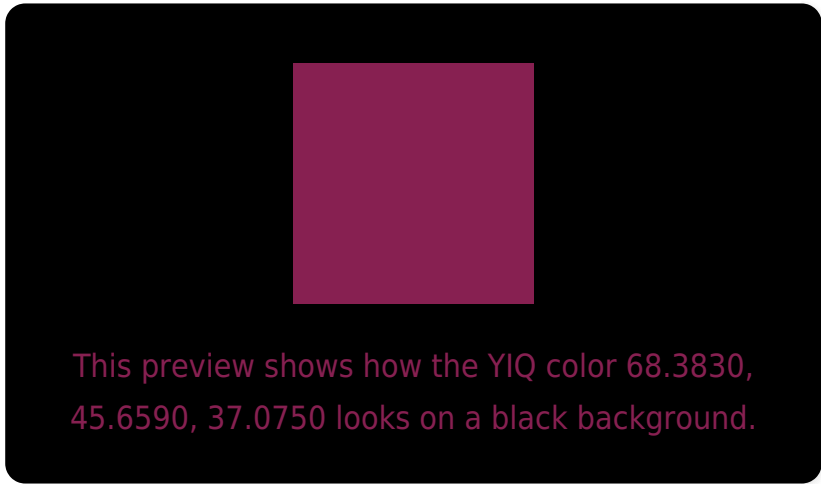
Large Text (above 18pt) WCAG AA ✓ Pass

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

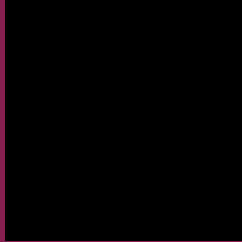
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.3830, 45.6590, 37.0750

Background



This preview shows how black text looks on a background with the YIQ color 68.3830, 45.6590, 37.0750.



This preview shows how white text looks on a background with the YIQ color 68.3830, 45.6590,

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

68.3830, 45.6590, 37.0750

Protanopia

74.8860, -16.8740, 8.4540

Deuteranopia

76.0330, 4.4010, 2.8410



Tritanopia

69.5510, 53.2730, 20.2250

Trichromacy



Original Color

68.3830, 45.6590, 37.0750

Protanomaly

72.7150, 5.9570, 18.7010

Deuteranomaly

73.1370, 19.2080, 15.3360

Tritanomaly

68.9840, 50.7960, 26.5720

Monochromacy



Original Color

68.3830, 45.6590, 37.0750

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

68.1150, 16.2740, 13.4420

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.3830, 45.6590, 37.0750 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(135, 32, 81)` looks like.

```
.text, #text, p{  
    color:rgb(135, 32, 81)  
}
```

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(135, 32, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 32, 81) }
```

Border

The CSS property to change the border of an element to YIQ 68.3830, 45.6590, 37.0750 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(135, 32, 81) }
```


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

```
.border{ border-color:rgb(135, 32, 81) }
```

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

Here you see how a box with a 4 pixel rgb(135, 32, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 32, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 32, 81);  
box-shadow:4px 4px 4px 4px rgb(135, 32,  
81) }
```

Background

The CSS property to change the background color of an element to YIQ 68.3830, 45.6590, 37.0750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 32, 81) }
```

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

```
.background{ background-color: rgb(135, 32,  
81) }
```

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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