

Converting Colors

YIQ(67.7880, 12.8810, 14.3610)

Have a look what the booklet for
YIQ(67.7880, 12.8810, 14.3610)
contains.

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Color

**YIQ(67.7880, 12.8810,
14.3610)**

Conversions

Conversions Part 1

Format	Color
Hex	59374E
RGB	89, 55, 78
RGB Percent	35%, 22%, 31%
CMY	0.6509, 0.7844, 0.6941
CMYK	0.00, 0.38, 0.12, 0.65
HSL	319°, 24%, 28%
HSV	319°, 38%, 35%
XYZ	6.8631, 5.4063, 7.8911
YIQ	67.7880, 12.8810, 14.3610

Conversions

Conversions Part 2

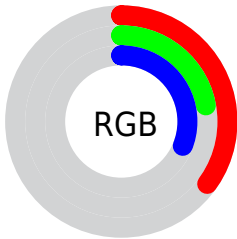
Format	Color
R_{YB}	89, 55, 78
Decimal	5846862
CIE _{Lab}	27.86, 19.15, -7.76
CIE _{LCh}	28, 20.660, 337.936
Yxy	5.4063, 0.3404, 0.2682
Android (android.graphics.Color)	4284036942 (0xFF59374E)
YUV	67.7880, 5.0345, 18.6029
Hunter-Lab	23.2514, 11.9981, -3.8461

Details

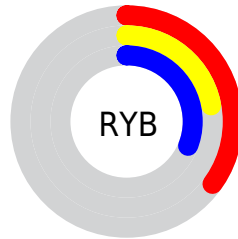
The YIQ color **67.7880, 12.8810, 14.3610** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **76.2120, -12.8810, -14.3610**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **116.7990, 14.3480, 15.3080**, and **23.4780, 10.8180, 13.2020** is the 20% darker color. If you saturate the color by 10%, you get **62.1630, 16.3190, 18.1350**, and if you desaturate by 10%, it is **73.4130, 9.4430, 10.5870**.

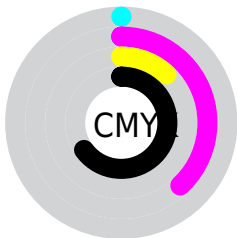
Distribution



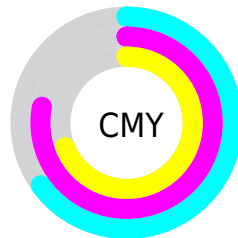
- Red (35%)
- Green (22%)
- Blue (31%)



- Red (35%)
- Yellow (22%)
- Blue (31%)



- Cyan (0%)
- Magenta (38%)
- Yellow (12%)
- Black (65%)



- Cyan (65%)
- Magenta (78%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 67.7880, 12.8810, 14.3610 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 67.7880, 12.8810, 14.3610 by changing the saturation by 10% instead.

67.7880, 12.8810,
14.3610

67.7880, 12.8810,
14.3610

255.0000, -0.0000,
-0.0000

45.0760, 12.0100,
13.6260

116.2120, 14.6230,
15.8310

23.4780, 10.8180,
13.2020

142.2120, 14.6230,
15.8310

6.8210, 8.1140,
7.1380

168.9240, 15.4940,
16.5660

0.0000, 0.0000,
0.0000

196.2230, 16.0900,
16.7780

224.0490, 16.6400,
17.8240

244.4340, 4.9500,

9.4140

■ 67.7880, 12.8810,
14.3610

■ 67.7880, 12.8810,
14.3610

■ 62.1630, 16.3190,
18.1350

■ 73.4130, 9.4430,
10.5870

■ 56.5380, 19.7570,
21.9090

■ 79.0380, 6.0050,
6.8130

■ 50.9130, 23.1950,
25.6830

■ 84.6630, 2.5670,
3.0390

■ 45.2880, 26.6330,
29.4570

■ 90.2880, -0.8710,
-0.7350

■ 39.7770, 29.7500,
33.5420

■ 95.7990, -3.9880,
-4.8200

■ 34.7390, 32.9130,
36.7930

■ 100.8370, -7.1510,
-8.0710

■ 33.4510, 33.7840,
37.5280

■ 106.4620,
-10.5890, -11.8450

■ 112.0870,
-14.0270, -15.6190

■ 117.7120,
-17.4650, -19.3930

Harmonies

Analogous

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



67.4210, -2.2030, 12.3970



67.7880, 12.8810, 14.3610



66.8830, 22.7390, 11.9150

Triad

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



67.7880, 12.8810, 14.3610



64.1460, 13.8480, -8.6800



52.5410, -47.3600, -11.7440

Complementary

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



67.7880, 12.8810, 14.3610



76.2120, -12.8810, -14.3610

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.



53.5110, -38.6480, -15.4480



67.7880, 12.8810, 14.3610



62.6820, 0.4150, -13.0330

Square

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



67.7880, 12.8810, 14.3610



65.7390, 22.6040, -2.1640



59.3580, -16.2280, -14.2760



57.8890, -39.2920, -3.7720

Rectangle

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



67.7880, 12.8810, 14.3610



66.3300, 25.6740, 8.2820



59.3580, -16.2280, -14.2760



52.5580, -46.0300, -13.8220

Sweetspot

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



67.7880, 12.8810, 14.3610



106.9130, 4.8590, 5.5550



62.1650, -4.3580, 12.9060



53.9620, 3.1630, 3.2510



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



67.7880, 12.8810, 14.3610



81.9510, 20.0320, 22.4320



65.8500, 18.3380, 9.0740



40.5380, 1.4210, 1.7810



40.2010, 40.6600, 45.0760



88.3910, 89.0210, 99.2690

Inverse Universe

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



67.7880, 12.8810, 14.3610



81.9510, 20.0320, 22.4320



78.1500, -18.3380, -9.0740



40.5380, 1.4210, 1.7810



40.2010, 40.6600, 45.0760



88.3910, 89.0210, 99.2690

Previews

White Background



This preview shows how the YIQ color 67.7880, 12.8810, 14.3610 looks on a white background.

Color Contrast Check

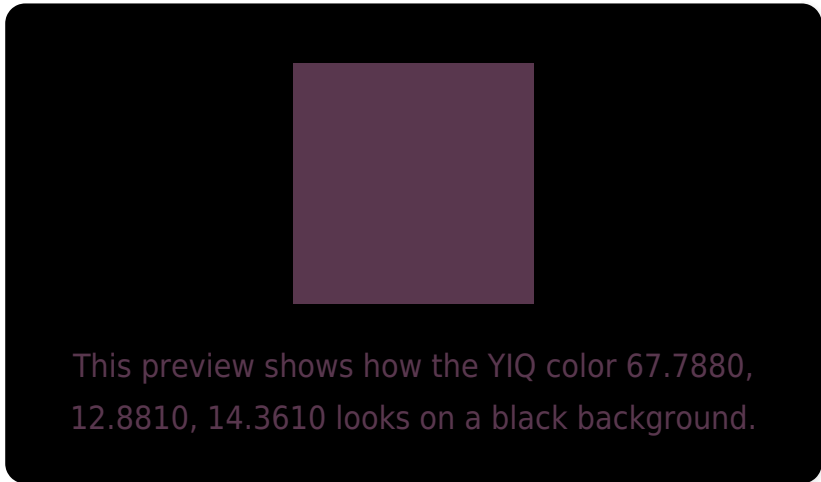
Large Text (above 18pt) WCAG AA ✓ Pass

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 67.7880, 12.8810, 14.3610

Background



This preview shows how black text looks on a background with the YIQ color 67.7880, 12.8810, 14.3610.



This preview shows how white text looks on a background with the YIQ color 67.7880, 12.8810,

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

67.7880, 12.8810, 14.3610

Protanopia

66.0840, -8.8040, 5.3720

Deuteranopia

66.5640, -1.4680, 4.5800



Tritanopia

67.1270, 16.0000, 7.3920

Trichromacy



Original Color

67.7880, 12.8810, 14.3610

Protanomaly

66.3840, -0.7810, 8.6510

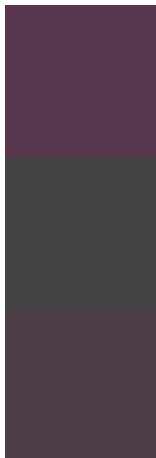
Deuteranomaly

67.3090, 3.8040, 8.1560

Tritanomaly

67.5230, 14.9450, 9.9930

Monochromacy



Original Color

67.7880, 12.8810, 14.3610

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

67.9130, 4.8590, 5.5550

CSS Examples

Text

The CSS property to change the color of the text to YIQ 67.7880, 12.8810, 14.3610 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(89, 55, 78)` looks like.

```
.text, #text, p{  
    color:rgb(89, 55, 78)  
}
```

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(89, 55, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 55, 78) }
```

Border

The CSS property to change the border of an element to YIQ 67.7880, 12.8810, 14.3610 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(89, 55, 78) }
```


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

```
.border{ border-color:rgb(89, 55, 78) }
```

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

Here you see how a box with a 4 pixel rgb(89, 55, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 55, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 55, 78);  
box-shadow:4px 4px 4px 4px rgb(89, 55, 78)  
}
```

Background

The CSS property to change the background color of an element to YIQ 67.7880, 12.8810, 14.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 55, 78) }
```

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

```
.background{ background-color: rgb(89, 55,  
78) }
```

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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