

Converting Colors

YIQ(68.7800, 78.3940, 44.0420)

Have a look what the booklet for
YIQ(68.7800, 78.3940, 44.0420)
contains.

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Color

**YIQ(68.7800, 78.3940,
44.0420)**

Conversions

Conversions Part 1

Format	Color
Hex	AB1339
RGB	171, 19, 57
RGB Percent	67%, 7%, 22%
CMY	0.3290, 0.9257, 0.7762
CMYK	0.00, 0.89, 0.67, 0.33
HSL	345°, 80%, 37%
HSV	345°, 89%, 67%
XYZ	17.7881, 9.4287, 4.7627
YIQ	68.7800, 78.3940, 44.0420

Conversions

Conversions Part 2

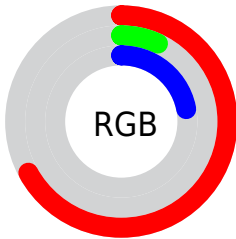
Format	Color
R _Y B	171, 19, 57
Decimal	11211577
CIE Lab	36.80, 58.43, 20.56
CIE LCh	37, 61.940, 19.387
Yxy	9.4287, 0.5562, 0.2948
Android (android.graphics.Color)	4289401657 (0xFFAB1339)
YUV	68.7800, -5.8075, 89.6469
Hunter-Lab	30.7062, 49.6695, 12.2981

Details

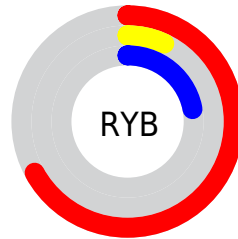
The YIQ color **68.7800, 78.3940, 44.0420** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **121.2200, -78.3940, -44.0420**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **131.4180, 82.1090, 37.2850**, and **34.8990, 61.3410, 28.1970** is the 20% darker color. If you saturate the color by 10%, you get **57.3190, 87.2420, 48.8900**, and if you desaturate by 10%, it is **80.2410, 69.5460, 39.1940**.

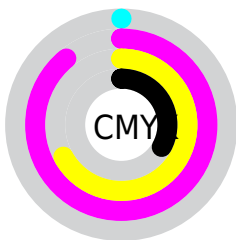
Distribution



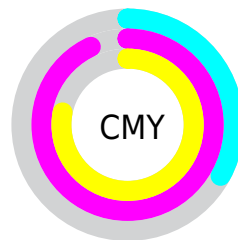
- Red (67%)
- Green (7%)
- Blue (22%)



- Red (67%)
- Yellow (7%)
- Blue (22%)



- Cyan (0%)
- Magenta (89%)
- Yellow (67%)
- Black (33%)





- Cyan (33%)
- Magenta (93%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 68.7800, 78.3940, 44.0420 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 68.7800, 78.3940, 44.0420 by changing the saturation by 10% instead.


 68.7800, 78.3940,
44.0420


 68.7800, 78.3940,
44.0420


255.0000, -0.0000,
-0.0000


 46.2630, 72.4800,
41.0880


 131.4180, 82.1090,
37.2850


 34.8990, 61.3410,
28.1970


 157.2820, 79.4960,
35.0800


 24.2190, 48.2760,
17.1720

 176.6820, 63.4500,
28.5220

 16.0750, 30.9460,
11.8580

 196.0820, 47.4040,
21.9640

 1.1960, 2.3840,
0.8480

 216.2970, 30.4410,
15.5050

 0.0000, 0.0000,
0.0000

 236.5120, 13.4780,

9.0460

■ 68.7800, 78.3940,
44.0420

■ 68.7800, 78.3940,
44.0420

■ 57.3190, 87.2420,
48.8900

■ 80.2410, 69.5460,
39.1940

■ 56.0310, 88.1130,
49.6250

■ 91.7020, 60.6980,
34.3460

■ 103.1630, 51.8500,
29.4980

■ 114.5100, 43.3230,
24.3390

■ 126.5580, 34.2000,
18.9680

■ 138.0190, 25.3520,
14.1200

■ 149.4800, 16.5040,
9.2720

■ 160.9410, 7.6560,
4.4240

■ 172.2880, -0.8710,
-0.7350

Harmonies

Analogous

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



71.6860, 58.7680, 58.3200



68.7800, 78.3940, 44.0420



77.6130, 75.9250, 6.1730

Triad

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



68.7800, 78.3940, 44.0420



60.6720, -30.2970, -51.1690



78.7300, -86.6560, 6.5920

Complementary

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



68.7800, 78.3940, 44.0420



121.2200, -78.3940, -44.0420

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.



80.6900, -81.1520, -5.0560



68.7800, 78.3940, 44.0420



70.4470, -50.9320, -35.1240

Square

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



68.7800, 78.3940, 44.0420



77.9020, 19.4460, -33.0500



76.8480, -67.5780, -19.7860



72.7800, -71.7570, 17.4190

Rectangle

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



68.7800, 78.3940, 44.0420



81.4440, 59.7430, -8.9370



76.8480, -67.5780, -19.7860



79.9210, -85.8760, 3.4680

Sweetspot

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



68.7800, 78.3940, 44.0420



181.6500, 30.9450, 17.3850



69.8160, 17.9600, 71.0160



87.7900, 18.5670, 10.4310



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



68.7800, 78.3940, 44.0420



72.7620, 114.3360, 64.4800



84.9930, 80.9670, 13.9190



80.9190, 4.7220, 2.5300



49.1820, 77.2020, 43.6180



7.5610, 11.7820, 6.7420

Inverse Universe

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



68.7800, 78.3940, 44.0420



72.7620, 114.3360, 64.4800



105.0070, -80.9670, -13.9190



80.9190, 4.7220, 2.5300



49.1820, 77.2020, 43.6180



7.5610, 11.7820, 6.7420

Previews

White Background



This preview shows how the YIQ color 68.7800, 78.3940, 44.0420 looks on a white background.

Color Contrast Check

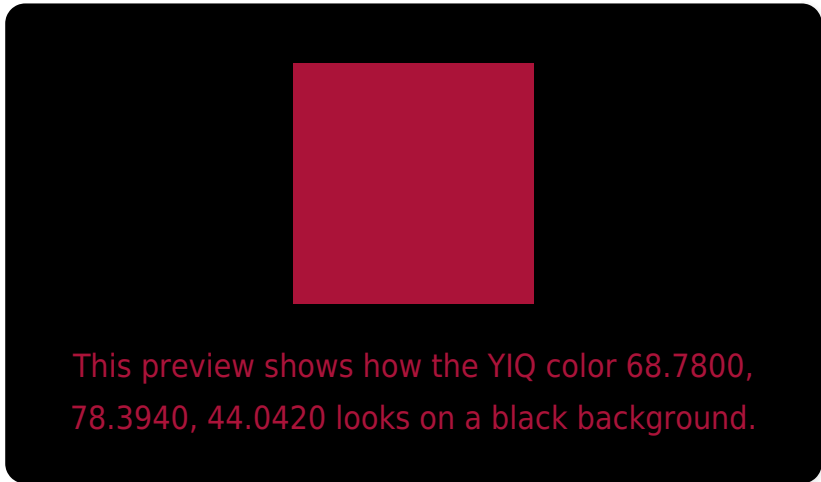
Large Text (above 18pt) WCAG AA ✓ Pass

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

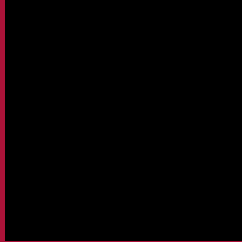
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.7800, 78.3940, 44.0420

Background



This preview shows how black text looks on a background with the YIQ color 68.7800, 78.3940, 44.0420.



This preview shows how white text looks on a background with the YIQ color 68.7800, 78.3940,

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

68.7800, 78.3940, 44.0420

Protanopia

88.3270, 3.3930, -0.9190

Deuteranopia

87.1860, 25.5390, -5.7970



Tritanopia

70.3440, 84.9530, 29.7930

Trichromacy



Original Color

68.7800, 78.3940, 44.0420

Protanomaly

81.2970, 30.4410, 15.5050

Deuteranomaly

80.3170, 44.8840, 12.5640

Tritanomaly

69.8370, 82.2470, 34.7830

Monochromacy



Original Color

68.7800, 78.3940, 44.0420

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

69.0410, 28.2860, 16.0140

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.7800, 78.3940, 44.0420 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(171, 19, 57)` looks like.

```
.text, #text, p{  
    color:rgb(171, 19, 57)  
}
```

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(171, 19, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 19, 57) }
```

Border

The CSS property to change the border of an element to YIQ 68.7800, 78.3940, 44.0420 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(171, 19, 57) }
```


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

```
.border{ border-color:rgb(171, 19, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 19, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 19, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 19, 57);  
box-shadow:4px 4px 4px 4px rgb(171, 19,  
57) }
```

Background

The CSS property to change the background color of an element to YIQ 68.7800, 78.3940, 44.0420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 19, 57) }
```

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

```
.background{ background-color: rgb(171, 19,  
57) }
```

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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