

Converting Colors

YIQ(67.8840, 56.5290, 16.2810)

Have a look what the booklet for
YIQ(67.8840, 56.5290, 16.2810)
contains.

YIQ(67.8840, 56.5290, 16.2810)	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(67.8840, 56.5290,
16.2810)**

Conversions

Conversions Part 1

Format	Color
Hex	842A21
RGB	132, 42, 33
RGB Percent	52%, 16%, 13%
CMY	0.4821, 0.8354, 0.8704
CMYK	0.00, 0.68, 0.75, 0.48
HSL	5°, 60%, 32%
HSV	5°, 75%, 52%
XYZ	10.6260, 6.6732, 2.1712
YIQ	67.8840, 56.5290, 16.2810

Conversions

Conversions Part 2

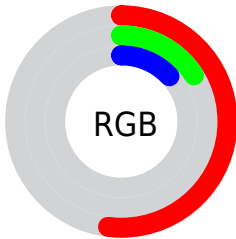
Format	Color
R_{YB}	132, 43, 33
Decimal	8661537
CIE _{Lab}	31.05, 38.06, 26.89
CIE _{LCh}	31, 46.602, 35.238
Yxy	6.6732, 0.5458, 0.3427
Android (android.graphics.Color)	4286851617 (0xFF842A21)
YUV	67.8840, -17.1978, 56.2297
Hunter-Lab	25.8325, 28.2175, 13.0996

Details

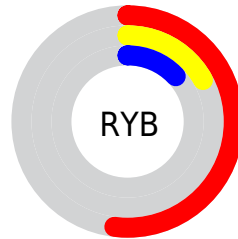
The YIQ color **67.8840, 56.5290, 16.2810** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **97.1160, -56.5290, -16.2810**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **120.2930, 62.6270, 15.8990**, and **22.7240, 45.2960, 16.1120** is the 20% darker color. If you saturate the color by 10%, you get **59.3580, 64.0020, 18.5140**, and if you desaturate by 10%, it is **76.4100, 49.0560, 14.0480**.

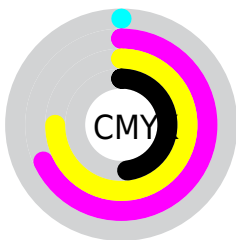
Distribution



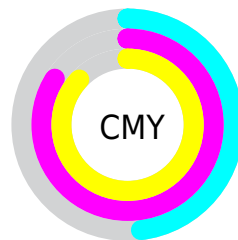
- Red (52%)
- Green (16%)
- Blue (13%)



- Red (52%)
- Yellow (17%)
- Blue (13%)



- Cyan (0%)
- Magenta (68%)
- Yellow (75%)
- Black (48%)



- Cyan (48%)
- Magenta (84%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 67.8840, 56.5290, 16.2810 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 67.8840, 56.5290, 16.2810 by changing the saturation by 10% instead.

67.8840, 56.5290,
16.2810

67.8840, 56.5290,
16.2810

255.0000, -0.0000,
-0.0000

40.6820, 54.2820,
18.4580

120.2930, 62.6270,
15.8990

22.7240, 45.2960,
16.1120

146.6740, 65.9280,
16.6480

15.0640, 29.4790,
10.9110

174.6420, 68.9540,
16.8740

0.0000, 0.0000,
0.0000

194.6510, 55.5670,
11.6870

214.1650, 39.2000,
5.4400

234.3800, 22.2370,

-1.0190

252.8340, 6.0990,
-5.9090

67.8840, 56.5290,
16.2810

67.8840, 56.5290,
16.2810

59.3580, 64.0020,
18.5140

76.4100, 49.0560,
14.0480

50.8320, 71.4750,
20.7470

84.9360, 41.5830,
11.8150

46.5120, 75.3720,
21.7080

93.5760, 33.7890,
9.8930

102.1020, 26.3160,
7.6600

110.6280, 18.8430,
5.4270

■ 119.1540, 11.3700,
3.1940

■ 127.6800, 3.8970,
0.9610

■ 136.3200, -3.8970,
-0.9610

■ 144.8460,
-11.3700, -3.1940

Harmonies

Analogous

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



66.6130, 50.7030, 33.7670



67.8840, 56.5290, 16.2810



69.0070, 50.8480, -7.4240

Triad

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



67.8840, 56.5290, 16.2810



55.7430, -37.0860, -32.7500



61.2560, -67.7660, 5.6580

Complementary

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



67.8840, 56.5290, 16.2810



97.1160, -56.5290, -16.2810

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.



65.7410, -67.9940, -1.2260



67.8840, 56.5290, 16.2810



61.2490, -49.8340, -21.9780

Square

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



67.8840, 56.5290, 16.2810



62.2900, 3.6740, -33.5580



65.2390, -61.0690, -11.0930



74.3020, -11.5130, 26.9430

Rectangle

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



67.8840, 56.5290, 16.2810



68.6090, 37.0490, -16.1590



65.2390, -61.0690, -11.0930



63.0170, -68.5910, 4.0890

Sweetspot

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



67.8840, 56.5290, 16.2810



146.7100, 21.5480, 5.9640



72.9750, 29.7930, 49.2890



72.0510, 13.1580, 3.8300



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



67.8840, 56.5290, 16.2810



71.2640, 87.9340, 25.3260



96.6470, 43.0540, -9.3460



61.7940, 3.5760, 1.2720



45.9140, 74.1800, 21.2840



0.8970, 1.7880, 0.6360

Inverse Universe

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



97.1160, -56.5290, -16.2810



116.7360, -87.9340, -25.3260



68.3530, -43.0540, 9.3460



64.2060, -3.5760, -1.2720



84.0860, -74.1800, -21.2840



1.5160, -1.5130, -0.1130

Previews

White Background



This preview shows how the YIQ color 67.8840, 56.5290, 16.2810 looks on a white background.

Color Contrast Check

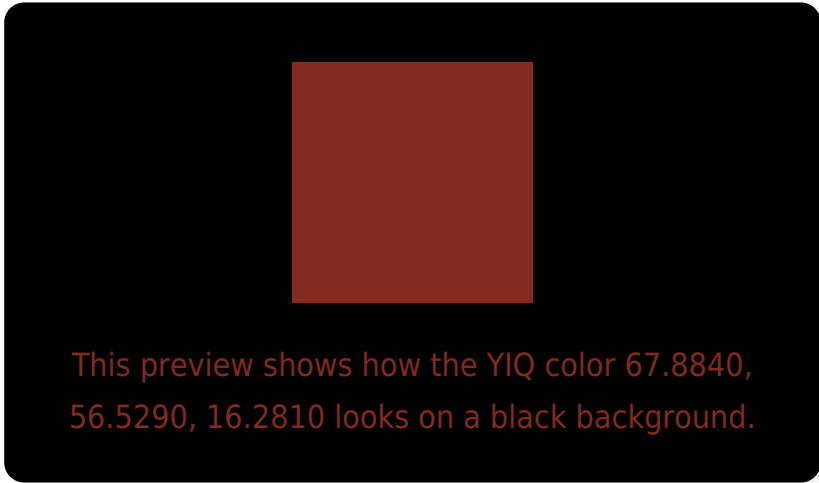
Large Text (above 18pt) WCAG AA ✓ Pass

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

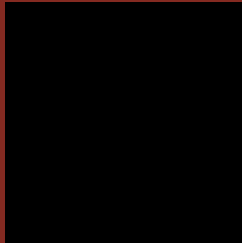
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 67.8840, 56.5290, 16.2810

Background



This preview shows how black text looks on a background with the YIQ color 67.8840, 56.5290, 16.2810.



This preview shows how white text looks on a background with the YIQ color 67.8840, 56.5290,

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

67.8840, 56.5290, 16.2810

Protanopia

72.5590, 14.1230, -8.1570

Deuteranopia

72.5620, 27.2360, -9.0200



Tritanopia

68.4370, 53.5940, 19.9140

Trichromacy



Original Color

67.8840, 56.5290, 16.2810

Protanomaly

70.7400, 30.0310, 0.9030

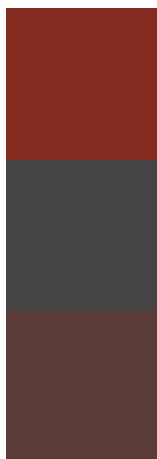
Deuteranomaly

70.5190, 37.9630, 0.3230

Tritanomaly

67.9810, 54.8780, 18.6700

Monochromacy



Original Color

67.8840, 56.5290, 16.2810

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

68.1120, 20.3560, 5.5400

CSS Examples

Text

The CSS property to change the color of the text to YIQ 67.8840, 56.5290, 16.2810 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(132, 42, 33)` looks like.

```
.text, #text, p{  
    color:rgb(132, 42, 33)  
}
```

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(132, 42, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 42, 33) }
```

Border

The CSS property to change the border of an element to YIQ 67.8840, 56.5290, 16.2810 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(132, 42, 33) }
```


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

```
.border{ border-color:rgb(132, 42, 33) }
```

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

Here you see how a box with a 4 pixel rgb(132, 42, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 42, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 42, 33);  
box-shadow:4px 4px 4px 4px rgb(132, 42,  
33) }
```

Background

The CSS property to change the background color of an element to YIQ 67.8840, 56.5290, 16.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 42, 33) }
```

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

```
.background{ background-color: rgb(132, 42,  
33) }
```

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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