

Converting Colors

YIQ(85.9710, 68.8650, 1.9610)

Have a look what the booklet for
YIQ(85.9710, 68.8650, 1.9610)
contains.

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Color

**YIQ(85.9710, 68.8650,
1.9610)**

Conversions

Conversions Part 1

Format	Color
Hex	99420D
RGB	153, 66, 13
RGB Percent	60%, 26%, 5%
CMY	0.3998, 0.7413, 0.9487
CMYK	0.00, 0.57, 0.91, 0.40
HSL	23°, 84%, 33%
HSV	23°, 91%, 60%
XYZ	15.1645, 10.6980, 1.6492
YIQ	85.9710, 68.8650, 1.9610

Conversions

Conversions Part 2

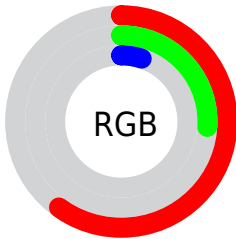
Format	Color
RYB	153, 98, 13
Decimal	10043917
CIELab	39.07, 33.83, 45.46
CIElCh	39, 56.664, 53.347
Yxy	10.6980, 0.5512, 0.3889
Android (android.graphics.Color)	4288233997 (0xFF99420D)
YUV	85.9710, -35.9747, 58.7844
Hunter-Lab	32.7078, 25.5200, 19.9060

Details

The YIQ color **85.9710, 68.8650, 1.9610** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **80.0290, -68.8650, -1.9610**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.9610, 74.8250, 4.0810**, and **37.7970, 52.2200, 11.7720** is the 20% darker color. If you saturate the color by 10%, you get **79.7930, 75.2380, 2.1020**, and if you desaturate by 10%, it is **92.9640, 61.5750, 1.9190**.

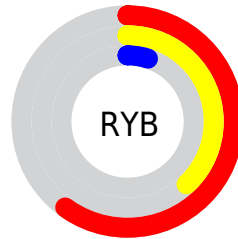
Distribution



Red (60%)

Green (26%)

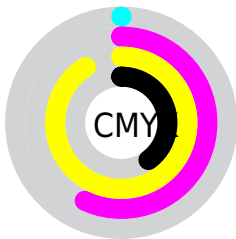
Blue (5%)



Red (60%)

Yellow (38%)

Blue (5%)

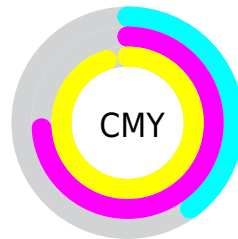


Cyan (0%)

Magenta (57%)

Yellow (91%)

Black (40%)



Cyan (40%)

Magenta (74%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 85.9710, 68.8650, 1.9610 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 85.9710, 68.8650, 1.9610 by changing the saturation by 10% instead.

85.9710, 68.8650,
1.9610

85.9710, 68.8650,
1.9610

254.4300, 1.6050,
-1.5550

61.7300, 62.3540,
4.3220

138.9610, 74.8250,
4.0810

37.7970, 52.2200,
11.7720

166.2280, 78.4470,
4.5190

19.7340, 39.3360,
13.9920

188.3300, 69.2320,
0.8160

12.6720, 24.7110,
9.2150

207.7300, 53.1860,
-5.7420

0.0000, 0.0000,
0.0000

227.1300, 37.1400,
-12.3000

247.3450, 20.1770,

-18.7590

■ 251.1240, 10.9140,
-10.5740

■ 85.9710, 68.8650,
1.9610

■ 85.9710, 68.8650,
1.9610

■ 79.7930, 75.2380,
2.1020

■ 92.9640, 61.5750,
1.9190

■ 100.6580, 53.6890,
1.6650

■ 108.2380, 46.1240,
1.1000

■ 115.2310, 38.8340,
1.0580

■ 122.9250, 30.9480,
0.8040

■ 129.9180, 23.6580,
0.7620

■ 137.4980, 16.0930,
0.1970

■ 144.6050, 8.4820,
0.4660

■ 152.1850, 0.9170,
-0.0990

Harmonies

Analogous

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



83.0960, 71.1520, 32.1120



85.9710, 68.8650, 1.9610



86.3620, 47.8700, -19.5380

Triad

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



85.9710, 68.8650, 1.9610



74.8640, -56.4800, -33.6960



88.9210, -41.1770, 24.8950

Complementary

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



85.9710, 68.8650, 1.9610



80.0290, -68.8650, -1.9610

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.



80.2630, -86.8390, 4.4010



85.9710, 68.8650, 1.9610



80.2220, -71.5670, -19.0790

Square

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



85.9710, 68.8650, 1.9610



66.9300, -39.6510, -46.8430



82.9070, -83.2610, -5.3810



93.3430, 16.7730, 42.9570

Rectangle

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



85.9710, 68.8650, 1.9610



84.1590, 29.0280, -30.4920



82.9070, -83.2610, -5.3810



74.2790, -83.7680, 9.3200

Sweetspot

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



85.9710, 68.8650, 1.9610



172.8860, 26.6840, 0.9880



65.0060, 54.8710, 57.3590



84.3130, 15.1760, 0.2960



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000

Same Dimension

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



85.9710, 68.8650, 1.9610



103.5260, 97.9790, 2.9630



125.8870, 50.1650, -33.6030



73.1530, 3.9430, 0.1270



72.9710, 68.8650, 1.9610



6.8220, 6.3730, 0.1410

Inverse Universe

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



80.0290, -68.8650, -1.9610



95.4740, -97.9790, -2.9630



40.1130, -50.1650, 33.6030



72.8470, -3.9430, -0.1270



67.0290, -68.8650, -1.9610



6.1780, -6.3730, -0.1410

Previews

White Background



This preview shows how the YIQ color 85.9710, 68.8650, 1.9610 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 × Fail

Black Background



This preview shows how the YIQ color 85.9710, 68.8650, 1.9610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 85.9710, 68.8650, 1.9610

Background



This preview shows how black text looks on a background with the YIQ color 85.9710, 68.8650, 1.9610.



This preview shows how white text looks on a background with the YIQ color 85.9710, 68.8650,

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

85.9710, 68.8650, 1.9610

Protanopia

87.9670, 29.9890, -20.3710

Deuteranopia

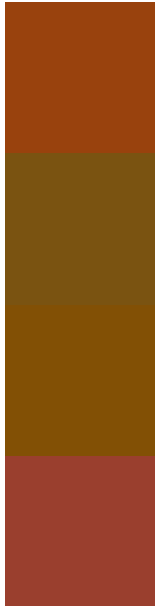
86.6390, 45.5320, -21.2200



Tritanopia

89.5620, 54.7400, 21.1720

Trichromacy



Original Color

85.9710, 68.8650, 1.9610

Protanomaly

87.1370, 44.4300, -12.2580

Deuteranomaly

86.4000, 53.8750, -12.7250

Tritanomaly

88.2710, 59.6930, 14.0050

Monochromacy



Original Color

85.9710, 68.8650, 1.9610

Achromatopsia

86.0000, -0.0000, -0.0000

Achromatomaly

85.9890, 24.8960, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.9710, 68.8650, 1.9610 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(153, 66, 13)` looks like.

```
.text, #text, p{  
    color:rgb(153, 66, 13)  
}
```

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(153, 66, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 66, 13) }
```

Border

The CSS property to change the border of an element to YIQ 85.9710, 68.8650, 1.9610 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(153, 66, 13) }
```


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

```
.border{ border-color:rgb(153, 66, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 66, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 66, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 66, 13);  
box-shadow:4px 4px 4px 4px rgb(153, 66,  
13) }
```

Background

The CSS property to change the background color of an element to YIQ 85.9710, 68.8650, 1.9610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 66, 13) }
```

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

```
.background{ background-color: rgb(153, 66,  
13) }
```

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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