

Converting Colors

YIQ(89.5670, 118.2380, 37.8060)

Have a look what the booklet for
YIQ(89.5670, 118.2380, 37.8060)
contains.

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Color

**YIQ(89.5670, 118.2380,
37.8060)**

Conversions

Conversions Part 1

Format	Color
Hex	E22117
RGB	226, 33, 23
RGB Percent	89%, 13%, 9%
CMY	0.1133, 0.8708, 0.9093
CMYK	0.00, 0.85, 0.90, 0.11
HSL	3°, 81%, 49%
HSV	3°, 90%, 89%
XYZ	32.0978, 17.3330, 2.4709
YIQ	89.5670, 118.2380, 37.8060

Conversions

Conversions Part 2

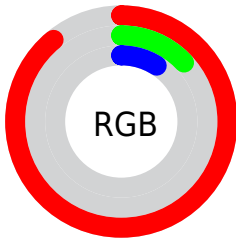
Format	Color
R_{YB}	226, 34, 23
Decimal	14819607
CIE Lab	48.68, 69.41, 54.89
CIE LCh	49, 88.490, 38.337
Yxy	17.3330, 0.6184, 0.3340
Android (android.graphics.Color)	4293009687 (0xFFE22117)
YUV	89.5670, -32.8175, 119.6517
Hunter-Lab	41.6329, 64.7607, 25.6242

Details

The YIQ color **89.5670, 118.2380, 37.8060** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **159.4330, -118.2380, -37.8060**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **143.7400, 101.0930, 23.6290**, and **48.1390, 95.9560, 34.1320** is the 20% darker color. If you saturate the color by 10%, you get **74.1450, 131.3500, 42.4700**, and if you desaturate by 10%, it is **104.5160, 105.0800, 33.9760**.

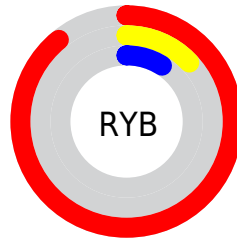
Distribution



Red (89%)

Green (13%)

Blue (9%)



Red (89%)

Yellow (13%)

Blue (9%)

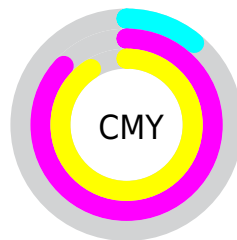


Cyan (0%)

Magenta (85%)

Yellow (90%)

Black (11%)



Cyan (11%)


Magenta (87%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 89.5670, 118.2380, 37.8060 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 89.5670, 118.2380, 37.8060 by changing the saturation by 10% instead.


 89.5670, 118.2380,
37.8060


 89.5670, 118.2380,
37.8060


255.0000, -0.0000,
-0.0000


 57.7070, 115.0280,
40.9160


 143.7400,
101.0930, 23.6290


 48.1390, 95.9560,
34.1320


 163.4990, 85.4140,
15.9260


 38.2720, 76.2880,
27.1360


 184.0730, 68.8180,
8.3220

 29.1170, 57.4910,
20.8750

 204.0600, 52.4970,
1.2410

 20.6740, 39.5650,
15.3490

 224.7480, 35.5800,
-6.0520

 10.2800, 19.9430,
7.5190

 245.5500, 18.3420,

 0.0000, 0.0000,

-13.0340

0.0000

252.3780, 7.3830,
-7.1530

89.5670, 118.2380,
37.8060

89.5670, 118.2380,
37.8060

74.1450, 131.3500,
42.4700

104.5160,
105.0800, 33.9760

74.0310, 131.6710,
42.1590

119.9380, 91.9680,
29.3120

134.8870, 78.8100,
25.4820

150.4230, 65.3770,
21.1290

165.8450, 52.2650,
16.4650

■ 180.7940, 39.1070,
12.6350

■ 196.2160, 25.9950,
7.9710

■ 211.1650, 12.8370,
4.1410

■ 226.7010, -0.5960,
-0.2120

Harmonies

Analogous

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



83.3450, 111.8570, 81.8810



89.5670, 118.2380, 37.8060



107.8460, 84.9140, -8.0620

Triad

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



89.5670, 118.2380, 37.8060



89.6240, -56.7050, -57.1610



99.5100, -114.8550, 16.5450

Complementary

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



89.5670, 118.2380, 37.8060



159.4330, -118.2380, -37.8060

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.



110.6630, -120.0800, 6.6080



89.5670, 118.2380, 37.8060



100.5050, -83.2100, -33.8500

Square

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



89.5670, 118.2380, 37.8060



84.0290, -27.5890, -67.2130



108.8270, -106.6430, -11.1470



115.5880, -16.9290, 59.0310

Rectangle

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



89.5670, 118.2380, 37.8060



109.0990, 55.6200, -27.8360



108.8270, -106.6430, -11.1470



104.2060, -117.0550, 12.3610

Sweetspot

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



89.5670, 118.2380, 37.8060



208.3920, 40.2990, 13.0590



106.0410, 58.0720, 103.9920



100.4330, 23.8860, 7.6460



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



89.5670, 118.2380, 37.8060



83.2890, 148.6800, 47.7840



147.0930, 91.2880, -13.4480



104.8760, 6.2810, 1.8090



57.9070, 102.4210, 32.6050



15.5260, 28.0580, 9.1300

Inverse Universe

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



159.4330, -118.2380, -37.8060



171.7110, -148.6800, -47.7840



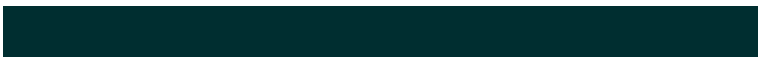
101.9070, -91.2880, 13.4480



108.7110, -6.5560, -2.3320



118.0930, -102.4210, -32.6050



32.4740, -28.0580, -9.1300

Previews

White Background



This preview shows how the YIQ color 89.5670, 118.2380, 37.8060 looks on a white background.

Color Contrast Check

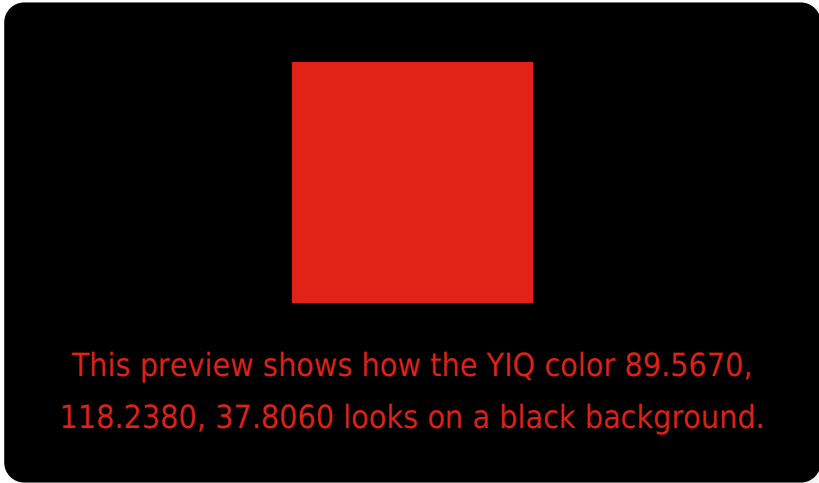
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 89.5670, 118.2380, 37.8060

Background



This preview shows how black text looks on a background with the YIQ color 89.5670, 118.2380, 37.8060.



This preview shows how white text looks on a background with the YIQ color 89.5670, 118.2380,

37.8060.

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

89.5670, 118.2380, 37.8060

Protanopia

112.2230, 32.1440, -20.8800

Deuteranopia

109.1100, 57.0870, -26.8890



Tritanopia

89.6640, 116.5870, 40.1950

Trichromacy



Original Color

89.5670, 118.2380, 37.8060

Protanomaly

103.6930, 63.7760, 0.5760

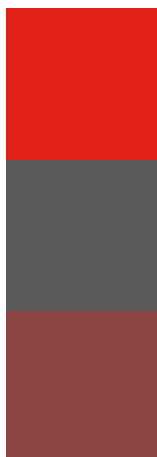
Deuteranomaly

102.2570, 79.5030, -3.6090

Tritanomaly

89.4360, 117.2290, 39.5730

Monochromacy



Original Color

89.5670, 118.2380, 37.8060

Achromatopsia

90.0000, -0.0000, -0.0000

Achromatomaly

89.5880, 42.6830, 13.9070

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.5670, 118.2380, 37.8060 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(226, 33, 23)` looks like.

```
.text, #text, p{  
    color:rgb(226, 33, 23)  
}
```

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(226, 33, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 33, 23) }
```

Border

The CSS property to change the border of an element to YIQ 89.5670, 118.2380, 37.8060 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(226, 33, 23) }
```


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

```
.border{ border-color:rgb(226, 33, 23) }
```

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

Here you see how a box with a 4 pixel rgb(226, 33, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 33, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 33, 23);  
box-shadow:4px 4px 4px 4px rgb(226, 33,  
23) }
```

Background

The CSS property to change the background color of an element to YIQ 89.5670, 118.2380, 37.8060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 33, 23) }
```

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

```
.background{ background-color: rgb(226, 33,  
23) }
```

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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