

Converting Colors

YIQ(38.7310, 35.3910, 24.9190)

Have a look what the booklet for
YIQ(38.7310, 35.3910, 24.9190)
contains.

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Color

**YIQ(38.7310, 35.3910,
24.9190)**

Conversions

Conversions Part 1

Format	Color
Hex	580D2A
RGB	88, 13, 42
RGB Percent	35%, 5%, 16%
CMY	0.6547, 0.9491, 0.8352
CMYK	0.00, 0.85, 0.52, 0.65
HSL	337°, 74%, 20%
HSV	337°, 85%, 35%
XYZ	4.5912, 2.5316, 2.4400
YIQ	38.7310, 35.3910, 24.9190

Conversions

Conversions Part 2

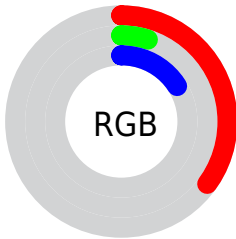
Format	Color
RYB	88, 13, 42
Decimal	5770538
CIELab	18.06, 35.28, 2.34
CIELCh	18, 35.359, 3.794
Yxy	2.5316, 0.4801, 0.2647
Android (android.graphics.Color)	4283960618 (0xFF580D2A)
YUV	38.7310, 1.6116, 43.2089
Hunter-Lab	15.9109, 23.6634, 2.0454

Details

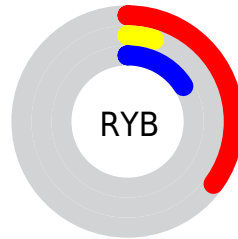
The YIQ color **38.7310, 35.3910, 24.9190** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **62.2690, -35.3910, -24.9190**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **89.9440, 39.1050, 23.6890**, and **12.0740, 23.5190, 8.7910** is the 20% darker color. If you saturate the color by 10%, you get **32.8780, 39.4710, 28.0710**, and if you desaturate by 10%, it is **44.5840, 31.3110, 21.7670**.

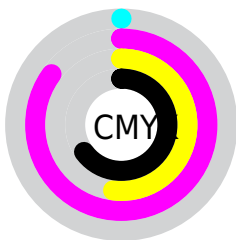
Distribution



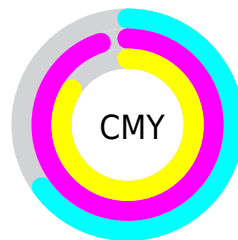
- Red (35%)
- Green (5%)
- Blue (16%)



- Red (35%)
- Yellow (5%)
- Blue (16%)



- Cyan (0%)
- Magenta (85%)
- Yellow (52%)
- Black (65%)



- Cyan (65%)
- Magenta (95%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.7310, 35.3910, 24.9190 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 38.7310, 35.3910, 24.9190 by changing the saturation by 10% instead.

■ 38.7310, 35.3910,
24.9190

■ 38.7310, 35.3910,
24.9190

■ 253.8260, 0.5500,
1.0460

■ 21.0460, 29.8900,
19.9860

■ 89.9440, 39.1050,
23.6890

■ 12.0740, 23.5190,
8.7910

■ 115.7270, 41.2140,
24.0140

■ 0.0000, 0.0000,
0.0000

■ 142.3250, 42.4060,
24.4380


■ 169.2220, 44.1940,
25.0740


■ 196.5210, 44.7900,
25.2860


■ 216.1490, 28.1020,


19.3500


 235.7770, 11.4140,
13.4140


 38.7310, 35.3910,
24.9190


 38.7310, 35.3910,
24.9190


 32.8780, 39.4710,
28.0710


 44.5840, 31.3110,
21.7670

 30.1880, 41.5340,
29.2300

 50.5510, 26.9100,
18.9260

 55.8170, 23.1050,
16.2970

 61.7840, 18.7040,
13.4560

 67.6370, 14.6240,
10.3040

■ 73.4900, 10.5440,
7.1520

■ 79.4570, 6.1430,
4.3110

■ 84.7230, 2.3380,
1.6820

■ 90.6900, -2.0630,
-1.1590

Harmonies

Analogous

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



43.5750, 18.3350, 25.6550



38.7310, 35.3910, 24.9190



39.6800, 39.4280, 12.3240

Triad

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



38.7310, 35.3910, 24.9190



37.4230, 2.3420, -20.4260



41.3710, -43.4650, 0.2710

Complementary

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



38.7310, 35.3910, 24.9190



62.2690, -35.3910, -24.9190

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.



40.4930, -38.2370, -6.3730



38.7310, 35.3910, 24.9190



33.9780, -21.2700, -22.0220

Square

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



38.7310, 35.3910, 24.9190



41.6750, 19.4880, -11.7760



37.6430, -30.2120, -14.1480



37.9460, -43.4660, 5.7980

Rectangle

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



38.7310, 35.3910, 24.9190



40.9320, 38.2380, 0.8460



37.6430, -30.2120, -14.1480



41.3880, -42.1350, -1.8070

Sweetspot

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



38.7310, 35.3910, 24.9190



95.2240, 14.3490, 9.7810



35.0050, 2.7450, 32.8650



46.5930, 8.7560, 6.5160



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.



38.7310, 35.3910, 24.9190



39.4010, 54.4160, 38.0640



39.5340, 42.7750, 12.2390



40.4240, 1.7420, 1.4700



36.6670, 50.6110, 35.4350



80.6390, 110.8490, 78.1210

Inverse Universe

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



38.7310, 35.3910, 24.9190



39.4010, 54.4160, 38.0640



61.4660, -42.7750, -12.2390



40.4240, 1.7420, 1.4700



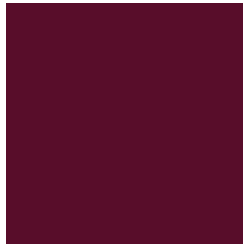
36.6670, 50.6110, 35.4350



80.6390, 110.8490, 78.1210

Previews

White Background



This preview shows how the YIQ color 38.7310, 35.3910, 24.9190 looks on a white background.

Color Contrast Check

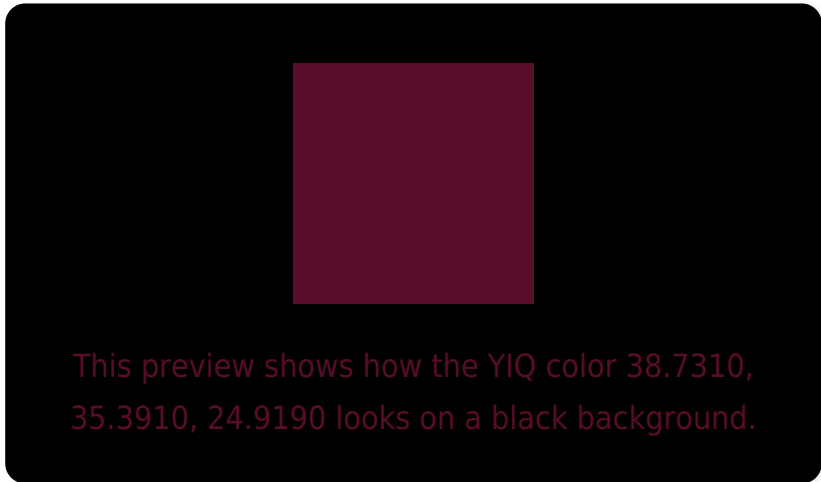
Large Text (above 18pt) WCAG AA ✓ Pass

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

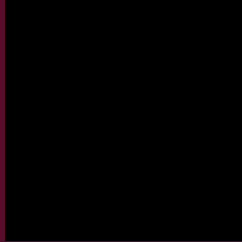
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.7310, 35.3910, 24.9190

Background



This preview shows how black text looks on a background with the YIQ color 38.7310, 35.3910, 24.9190.



This preview shows how white text looks on a background with the YIQ color 38.7310, 35.3910,

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

38.7310, 35.3910, 24.9190

Protanopia

46.5850, -5.9610, 3.4070

Deuteranopia

47.0070, 7.2900, 0.0420



Tritanopia

40.0330, 39.9320, 14.2040

Trichromacy



Original Color

38.7310, 35.3910, 24.9190

Protanomaly

43.6410, 8.8010, 11.2090

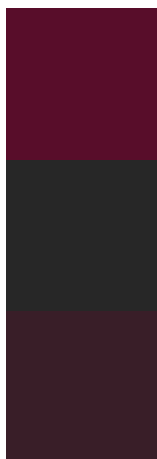
Deuteranomaly

43.6650, 17.4210, 9.1730

Tritanomaly

39.1840, 38.1890, 18.2610

Monochromacy



Original Color

38.7310, 35.3910, 24.9190

Achromatopsia

39.0000, -0.0000, -0.0000

Achromatomaly

39.2130, 12.8820, 8.8340

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.7310, 35.3910, 24.9190 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(88, 13, 42)` looks like.

```
.text, #text, p{  
    color:rgb(88, 13, 42)  
}
```

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(88, 13, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 13, 42) }
```

Border

The CSS property to change the border of an element to YIQ 38.7310, 35.3910, 24.9190 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(88, 13, 42) }
```


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

```
.border{ border-color:rgb(88, 13, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 13, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 13, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 13, 42);  
box-shadow:4px 4px 4px 4px rgb(88, 13, 42)  
}
```

Background

The CSS property to change the background color of an element to YIQ 38.7310, 35.3910, 24.9190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 13, 42) }
```

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

```
.background{ background-color: rgb(88, 13,  
42) }
```

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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