

Converting Colors

YIQ(55.4310, 62.8990, 33.0030)

Have a look what the booklet for
YIQ(55.4310, 62.8990, 33.0030)
contains.

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Color

**YIQ(55.4310, 62.8990,
33.0030)**

Conversions

Conversions Part 1

Format	Color
Hex	88112A
RGB	136, 17, 42
RGB Percent	53%, 7%, 16%
CMY	0.4664, 0.9335, 0.8351
CMYK	0.00, 0.88, 0.69, 0.47
HSL	347°, 78%, 30%
HSV	347°, 88%, 53%
XYZ	10.7844, 5.8076, 2.7486
YIQ	55.4310, 62.8990, 33.0030

Conversions

Conversions Part 2

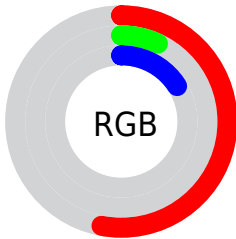
Format	Color
RYB	136, 17, 42
Decimal	8917290
CIELab	28.92, 48.43, 18.78
CIELCh	29, 51.946, 21.196
Yxy	5.8076, 0.5576, 0.3003
Android (android.graphics.Color)	4287107370 (0xFF88112A)
YUV	55.4310, -6.6215, 70.6590
Hunter-Lab	24.0989, 37.7066, 10.1070

Details

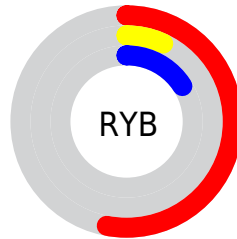
The YIQ color **55.4310, 62.8990, 33.0030** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **97.5690, -62.8990, -33.0030**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.8350, 67.3930, 28.6490**, and **23.6210, 47.0840, 16.7480** is the 20% darker color. If you saturate the color by 10%, you get **45.9590, 70.2800, 36.9040**, and if you desaturate by 10%, it is **64.9030, 55.5180, 29.1020**.

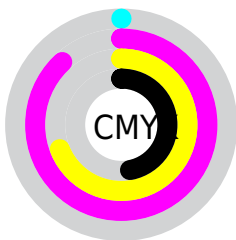
Distribution



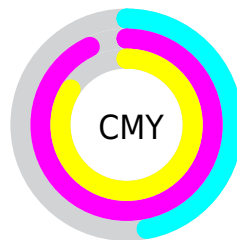
- Red (53%)
- Green (7%)
- Blue (16%)



- Red (53%)
- Yellow (7%)
- Blue (16%)



- Cyan (0%)
- Magenta (88%)
- Yellow (69%)
- Black (47%)



- Cyan (47%)
- Magenta (93%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 55.4310, 62.8990, 33.0030 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 55.4310, 62.8990, 33.0030 by changing the saturation by 10% instead.

■ 55.4310, 62.8990,
33.0030

■ 55.4310, 62.8990,
33.0030

■ 255.0000, -0.0000,
-0.0000

■ 34.5010, 56.7100,
29.5260

■ 112.8350, 67.3930,
28.6490

■ 23.6210, 47.0840,
16.7480

■ 140.3900, 70.1440,
28.3520

■ 16.0750, 30.9460,
11.8580

■ 168.1730, 72.2530,
28.6770

■ 0.5980, 1.1920,
0.4240

■ 186.9860, 56.4820,
22.6420

■ 0.0000, 0.0000,
0.0000

■ 206.5000, 40.1150,
16.3950

■ 226.7150, 23.1520,

9.9360

246.9300, 6.1890,
3.4770

55.4310, 62.8990,
33.0030

55.4310, 62.8990,
33.0030

45.9590, 70.2800,
36.9040

64.9030, 55.5180,
29.1020

43.9700, 71.7470,
37.8510

73.7880, 48.4120,
25.7240

83.1460, 41.3520,
21.5120

92.0310, 34.2460,
18.1340

101.5030, 26.8650,
14.2330

■ 110.9750, 19.4840,
10.3320

■ 119.7460, 12.6990,
6.6430

■ 129.2180, 5.3180,
2.7420

■ 138.1030, -1.7880,
-0.6360

Harmonies

Analogous

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



56.4470, 48.7750, 46.6870



55.4310, 62.8990, 33.0030



61.4200, 60.2910, 3.1630

Triad

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



55.4310, 62.8990, 33.0030



48.5730, -25.1640, -39.5640



62.0710, -68.6830, 5.7570

Complementary

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



55.4310, 62.8990, 33.0030



97.5690, -62.8990, -33.0030

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.



63.6550, -64.8760, -2.6680



55.4310, 62.8990, 33.0030



55.5780, -40.7550, -26.8270

Square

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



55.4310, 62.8990, 33.0030



61.3670, 13.9430, -26.9290



60.8390, -54.1910, -14.5990



61.7690, -46.8610, 17.7710

Rectangle

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



55.4310, 62.8990, 33.0030



64.8540, 46.9050, -7.5510



60.8390, -54.1910, -14.5990



63.4900, -68.5450, 3.2550

Sweetspot

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



55.4310, 62.8990, 33.0030



144.8940, 24.2060, 12.8620



58.3730, 17.2290, 56.7250



70.6430, 14.4870, 7.2790



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

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



55.4310, 62.8990, 33.0030



56.8420, 93.0190, 48.8190



72.5390, 61.5740, 7.4460



64.2070, 3.8510, 1.7950



42.9590, 70.2800, 36.9040



1.6090, 2.6590, 1.3710

Inverse Universe

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



55.4310, 62.8990, 33.0030



56.8420, 93.0190, 48.8190



80.4610, -61.5740, -7.4460



64.2070, 3.8510, 1.7950



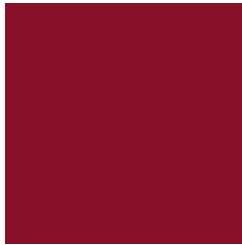
42.9590, 70.2800, 36.9040



1.6090, 2.6590, 1.3710

Previews

White Background



This preview shows how the YIQ color 55.4310, 62.8990, 33.0030 looks on a white background.

Color Contrast Check

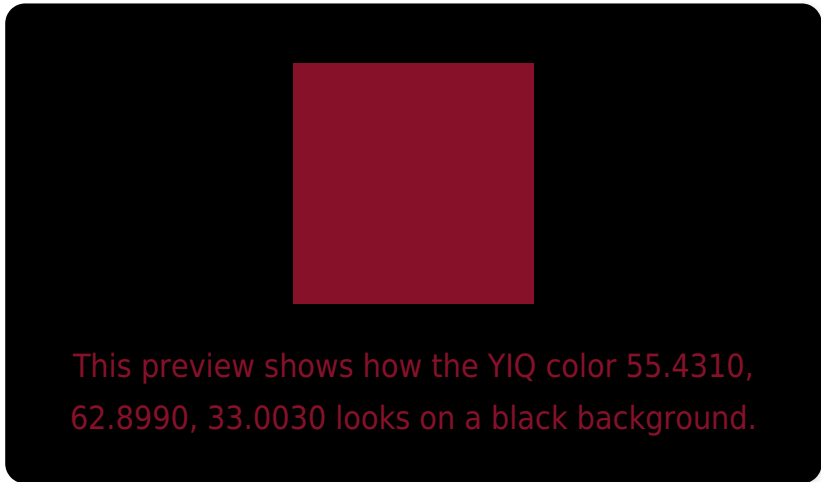
Large Text (above 18pt) WCAG AA ✓ Pass

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

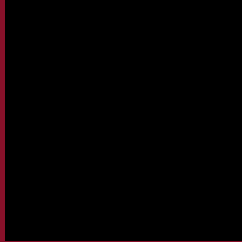
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 55.4310, 62.8990, 33.0030

Background



This preview shows how black text looks on a background with the YIQ color 55.4310, 62.8990, 33.0030.



This preview shows how white text looks on a background with the YIQ color 55.4310, 62.8990,

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

55.4310, 62.8990, 33.0030

Protanopia

70.1700, 5.2730, -1.9510

Deuteranopia

69.4460, 21.8710, -5.4010



Tritanopia

55.6730, 67.6690, 23.6450

Trichromacy



Original Color

55.4310, 62.8990, 33.0030

Protanomaly

65.0960, 26.4530, 10.6850

Deuteranomaly

64.4900, 36.9070, 8.4510

Tritanomaly

55.4110, 65.6510, 27.1790

Monochromacy



Original Color

55.4310, 62.8990, 33.0030

Achromatopsia

55.0000, 0.0000, 0.0000

Achromatomaly

54.8830, 22.7390, 11.9150

CSS Examples

Text

The CSS property to change the color of the text to YIQ 55.4310, 62.8990, 33.0030 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(136, 17, 42)` looks like.

```
.text, #text, p{  
    color:rgb(136, 17, 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(136, 17, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 17, 42) }
```

Border

The CSS property to change the border of an element to YIQ 55.4310, 62.8990, 33.0030 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(136, 17, 42) }
```


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

```
.border{ border-color:rgb(136, 17, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 17, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 17, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 17, 42);  
box-shadow:4px 4px 4px 4px rgb(136, 17,  
42) }
```

Background

The CSS property to change the background color of an element to YIQ 55.4310, 62.8990, 33.0030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 17, 42) }
```

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

```
.background{ background-color: rgb(136, 17,  
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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