

Converting Colors

YIQ(38.8140, 36.3550, 18.4590)

Have a look what the booklet for
YIQ(38.8140, 36.3550, 18.4590)
contains.

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Color

**YIQ(38.8140, 36.3550,
18.4590)**

Conversions

Conversions Part 1

Format	Color
Hex	55111E
RGB	85, 17, 30
RGB Percent	33%, 7%, 12%
CMY	0.6665, 0.9334, 0.8822
CMYK	0.00, 0.80, 0.65, 0.67
HSL	348°, 67%, 20%
HSV	348°, 80%, 33%
XYZ	4.1850, 2.4272, 1.4785
YIQ	38.8140, 36.3550, 18.4590

Conversions

Conversions Part 2

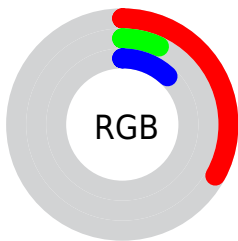
Format	Color
R_{YB}	85, 17, 30
Decimal	5574942
CIE _{Lab}	17.59, 31.79, 10.19
CIE _{LCh}	18, 33.384, 17.777
Yxy	2.4272, 0.5173, 0.3000
Android (android.graphics.Color)	4283765022 (0xFF55111E)
YUV	38.8140, -4.3453, 40.5051
Hunter-Lab	15.5796, 20.6847, 5.2791

Details

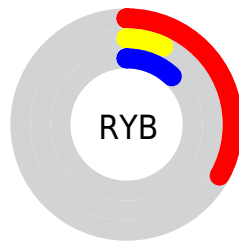
The YIQ color **38.8140, 36.3550, 18.4590** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **63.1860, -36.3550, -18.4590**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **88.6250, 41.2610, 17.6530**, and **10.5790, 20.5390, 7.7310** is the 20% darker color. If you saturate the color by 10%, you get **32.7330, 41.0770, 20.9890**, and if you desaturate by 10%, it is **44.3080, 31.9080, 16.4520**.

Distribution



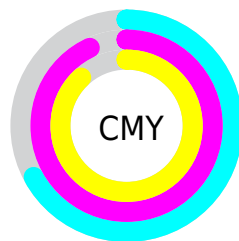
- Red (33%)
- Green (7%)
- Blue (12%)



- Red (33%)
- Yellow (7%)
- Blue (12%)



- Cyan (0%)
- Magenta (80%)
- Yellow (65%)
- Black (67%)



- Cyan (67%)
- Magenta (93%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.8140, 36.3550, 18.4590 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 38.8140, 36.3550, 18.4590 by changing the saturation by 10% instead.

■ 38.8140, 36.3550,
18.4590

■ 38.8140, 36.3550,
18.4590

■ 254.4130, 0.2750,
0.5230

■ 18.5100, 34.1550,
14.2750

■ 88.6250, 41.2610,
17.6530

■ 10.5790, 20.5390,
7.7310

■ 114.4080, 43.3700,
17.9780

■ 0.0000, 0.0000,
0.0000

■ 140.3050, 45.1580,
18.6140


■ 167.2020, 46.9460,
19.2500


■ 194.9850, 49.0550,
19.5750


■ 214.9120, 32.9630,


13.8510


 234.5400, 16.2750,
7.9150


 38.8140, 36.3550,
18.4590


 38.8140, 36.3550,
18.4590


 32.7330, 41.0770,
20.9890


 44.3080, 31.9080,
16.4520

 27.2390, 45.5240,
22.9960

 50.3890, 27.1860,
13.9220

 55.8830, 22.7390,
11.9150

 61.9640, 18.0170,
9.3850

 67.3440, 13.8910,
7.0670

■ 73.4250, 9.1690,
4.5370

■ 79.5060, 4.4470,
2.0070

■ 85.0000, -0.0000,
0.0000

■ 91.0810, -4.7220,
-2.5300

Harmonies

Analogous

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



40.9410, 25.9920, 24.5520



38.8140, 36.3550, 18.4590



39.6270, 37.7790, 3.6590

Triad

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



38.8140, 36.3550, 18.4590



32.8990, -10.8620, -23.4220



39.0230, -42.3650, 2.3630

Complementary

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



38.8140, 36.3550, 18.4590



63.1860, -36.3550, -18.4590

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.



40.0030, -39.6130, -3.4610



38.8140, 36.3550, 18.4590



34.7590, -24.8470, -17.7670

Square

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



38.8140, 36.3550, 18.4590



39.5600, 12.3820, -15.1540



38.1960, -33.1470, -10.5150



39.2960, -29.7120, 9.8400

Rectangle

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



38.8140, 36.3550, 18.4590



41.1760, 31.4990, -3.6770



38.1960, -33.1470, -10.5150



39.3820, -41.9980, 1.2180

Sweetspot

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



38.8140, 36.3550, 18.4590



91.6430, 14.4870, 7.2790



40.8980, 10.3560, 32.5960



45.1260, 8.5730, 4.3250



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

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



38.8140, 36.3550, 18.4590



38.0880, 56.4350, 29.0030



49.0720, 35.0280, 3.9560



40.3100, 2.0630, 1.1590



34.3870, 57.0310, 29.2150



75.3950, 125.6150, 63.8150

Inverse Universe

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



38.8140, 36.3550, 18.4590



38.0880, 56.4350, 29.0030



52.9280, -35.0280, -3.9560



40.3100, 2.0630, 1.1590



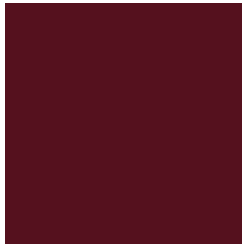
34.3870, 57.0310, 29.2150



75.3950, 125.6150, 63.8150

Previews

White Background



This preview shows how the YIQ color 38.8140, 36.3550, 18.4590 looks on a white background.

Color Contrast Check

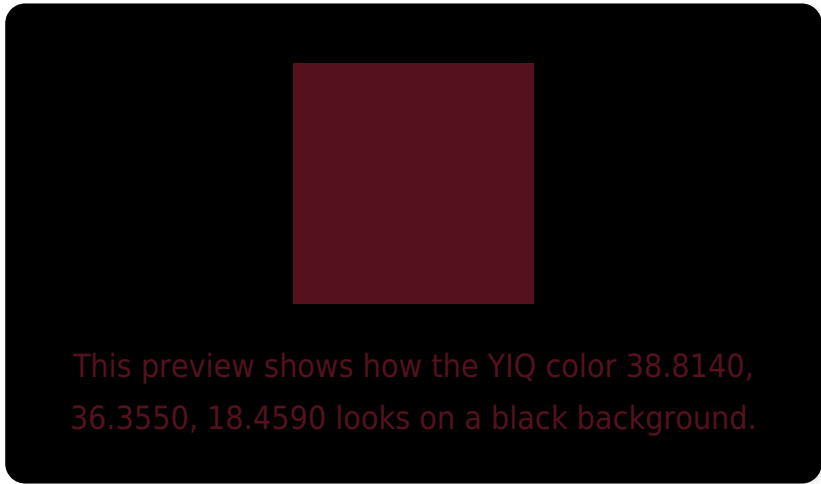
Large Text (above 18pt) WCAG AA ✓ Pass

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

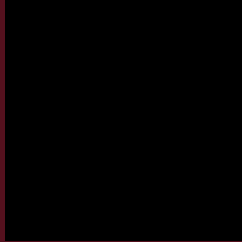
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.8140, 36.3550, 18.4590

Background



This preview shows how black text looks on a background with the YIQ color 38.8140, 36.3550, 18.4590.



This preview shows how white text looks on a background with the YIQ color 38.8140, 36.3550,

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

38.8140, 36.3550, 18.4590

Protanopia

45.2560, 2.1550, -0.5090

Deuteranopia

44.7640, 12.2880, -2.4320



Tritanopia

38.8480, 39.0150, 14.3030

Trichromacy



Original Color

38.8140, 36.3550, 18.4590

Protanomaly

43.1160, 14.5330, 6.4450

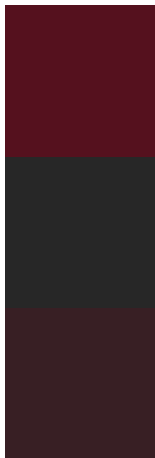
Deuteranomaly

42.8840, 20.9980, 4.9180

Tritanomaly

38.7170, 38.0060, 16.0700

Monochromacy



Original Color

38.8140, 36.3550, 18.4590

Achromatopsia

39.0000, -0.0000, -0.0000

Achromatomaly

39.0450, 13.2950, 6.8550

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.8140, 36.3550, 18.4590 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(85, 17, 30)` looks like.

```
.text, #text, p{  
    color:rgb(85, 17, 30)  
}
```

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(85, 17, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 17, 30) }
```

Border

The CSS property to change the border of an element to YIQ 38.8140, 36.3550, 18.4590 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(85, 17, 30) }
```


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

```
.border{ border-color:rgb(85, 17, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 17, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 17, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 17, 30);  
box-shadow:4px 4px 4px 4px rgb(85, 17, 30)  
}
```

Background

The CSS property to change the background color of an element to YIQ 38.8140, 36.3550, 18.4590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 17, 30) }
```

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

```
.background{ background-color: rgb(85, 17,  
30) }
```

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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