

Converting Colors

YIQ(34.5970, 38.4640, 18.7840)

Have a look what the booklet for
YIQ(34.5970, 38.4640, 18.7840)
contains.

YIQ(34.5970, 38.4640, 18.7840)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(34.5970, 38.4640,
18.7840)**

Conversions

Conversions Part 1

Format	Color
Hex	530C18
RGB	83, 12, 24
RGB Percent	33%, 5%, 9%
CMY	0.6743, 0.9530, 0.9057
CMYK	0.00, 0.86, 0.71, 0.67
HSL	350°, 75%, 19%
HSV	350°, 86%, 33%
XYZ	3.8676, 2.1694, 1.0810
YIQ	34.5970, 38.4640, 18.7840

Conversions

Conversions Part 2

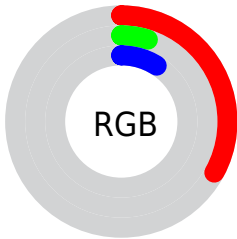
Format	Color
RYB	83, 12, 24
Decimal	5442584
CIELab	16.35, 32.53, 12.79
CIElCh	16, 34.954, 21.470
Yxy	2.1694, 0.5434, 0.3048
Android (android.graphics.Color)	4283632664 (0xFF530C18)
YUV	34.5970, -5.2243, 42.4494
Hunter-Lab	14.7288, 21.0967, 5.9585

Details

The YIQ color **34.5970, 38.4640, 18.7840** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **60.4030, -38.4640, -18.7840**, and the grayscale version is **35.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **84.9950, 43.0950, 17.4550**, and **9.0840, 17.5590, 6.6710** is the 20% darker color. If you saturate the color by 10%, you get **29.1030, 42.9110, 20.7910**, and if you desaturate by 10%, it is **40.0910, 34.0170, 16.7770**.

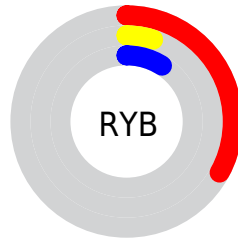
Distribution



Red (33%)

Green (5%)

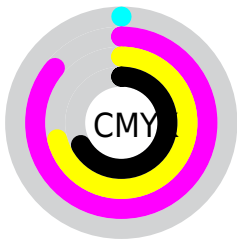
Blue (9%)



Red (33%)

Yellow (5%)

Blue (9%)

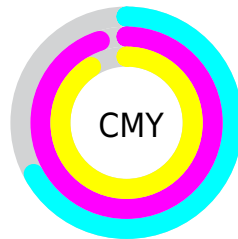


Cyan (0%)

Magenta (86%)

Yellow (71%)

Black (67%)



Cyan (67%)

Magenta (95%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 34.5970, 38.4640, 18.7840 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 34.5970, 38.4640, 18.7840 by changing the saturation by 10% instead.


 34.5970, 38.4640,
18.7840


 34.5970, 38.4640,
18.7840

 251.4950, 2.9800,
1.0600

 17.3420, 34.5680,
12.2960


 84.9950, 43.0950,
17.4550


 9.0840, 17.5590,
6.6710

 110.6640, 45.5250,
17.4690

 0.0000, 0.0000,
0.0000


 136.7460, 48.2300,
18.0060


 163.6430, 50.0180,
18.6420


 191.4260, 52.1270,
18.9670


 211.5380, 36.9520,


13.1440


 231.1660, 20.2640,
7.2080


 34.5970, 38.4640,
18.7840


 34.5970, 38.4640,
18.7840


 29.1030, 42.9110,
20.7910


 40.0910, 34.0170,
16.7770

 26.4130, 44.9740,
21.9500

 46.1720, 29.2950,
14.2470

 51.6660, 24.8480,
12.2400

 57.1600, 20.4010,
10.2330

 62.6540, 15.9540,
8.2260

■ 68.6210, 11.5530,
5.3850

■ 74.1150, 7.1060,
3.3780

■ 79.6090, 2.6590,
1.3710

■ 85.6900, -2.0630,
-1.1590

Harmonies

Analogous

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



35.3760, 29.2010, 26.9690



34.5970, 38.4640, 18.7840



37.1000, 37.8250, 2.8250

Triad

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



34.5970, 38.4640, 18.7840



29.1050, -14.4380, -24.6940



37.2620, -41.5400, 3.9320

Complementary

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



34.5970, 38.4640, 18.7840



60.4030, -38.4640, -18.7840

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.



38.3560, -39.1090, -1.5810



34.5970, 38.4640, 18.7840



33.5850, -24.2970, -16.7210

Square

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



34.5970, 38.4640, 18.7840



36.8800, 8.4850, -16.1150



36.5490, -32.6430, -8.6350



37.6170, -26.1820, 11.9460

Rectangle

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



34.5970, 38.4640, 18.7840



38.5070, 29.0690, -3.6910



36.5490, -32.6430, -8.6350



38.2080, -41.4480, 2.2640

Sweetspot

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



34.5970, 38.4640, 18.7840



87.9420, 15.0830, 7.4910



37.4360, 11.7770, 34.3770



42.4250, 9.1690, 4.5370



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



34.5970, 38.4640, 18.7840



34.0450, 57.9940, 28.2820



46.1430, 36.2660, 3.5460



38.1960, 2.3840, 0.8480



33.4470, 56.8020, 27.8580



73.8140, 125.7530, 61.3130

Inverse Universe

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



34.5970, 38.4640, 18.7840



34.0450, 57.9940, 28.2820



48.8570, -36.2660, -3.5460



38.1960, 2.3840, 0.8480



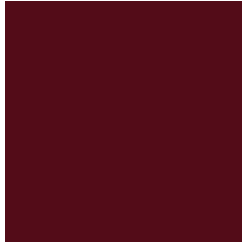
33.4470, 56.8020, 27.8580



73.8140, 125.7530, 61.3130

Previews

White Background



This preview shows how the YIQ color 34.5970, 38.4640, 18.7840 looks on a white background.

Color Contrast Check

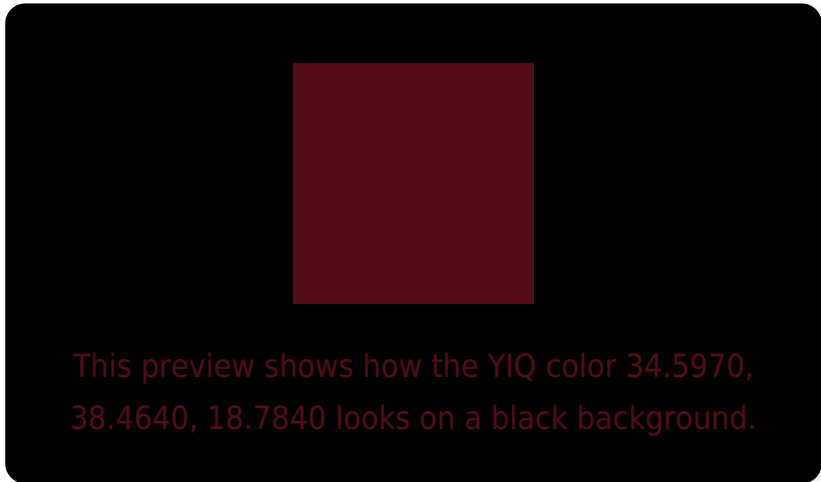
Large Text (above 18pt) WCAG AA ✓ Pass

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

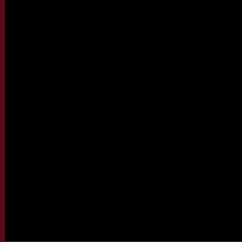
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 34.5970, 38.4640, 18.7840

Background



This preview shows how black text looks on a background with the YIQ color 34.5970, 38.4640, 18.7840.



This preview shows how white text looks on a background with the YIQ color 34.5970, 38.4640,

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

34.5970, 38.4640, 18.7840

Protanopia

42.9850, 4.3560, -1.8520

Deuteranopia

42.1940, 13.8930, -3.9870



Tritanopia

34.6310, 41.1240, 14.6280

Trichromacy



Original Color

34.5970, 38.4640, 18.7840

Protanomaly

39.9590, 16.4130, 5.4130

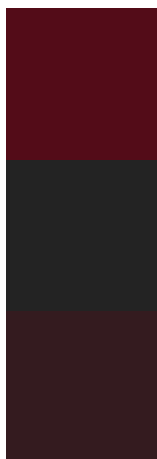
Deuteranomaly

39.1400, 23.1530, 4.4090

Tritanomaly

34.5000, 40.1150, 16.3950

Monochromacy



Original Color

34.5970, 38.4640, 18.7840

Achromatopsia

35.0000, 0.0000, 0.0000

Achromatomaly

34.9310, 13.6160, 6.5440

CSS Examples

Text

The CSS property to change the color of the text to YIQ 34.5970, 38.4640, 18.7840 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(83, 12, 24)` looks like.

```
.text, #text, p{  
    color:rgb(83, 12, 24)  
}
```

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(83, 12, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 12, 24) }
```

Border

The CSS property to change the border of an element to YIQ 34.5970, 38.4640, 18.7840 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(83, 12, 24) }
```


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

```
.border{ border-color:rgb(83, 12, 24) }
```

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

Here you see how a box with a 4 pixel rgb(83, 12, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 12, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 12, 24);  
box-shadow:4px 4px 4px 4px rgb(83, 12, 24)  
}
```

Background

The CSS property to change the background color of an element to YIQ 34.5970, 38.4640, 18.7840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 12, 24) }
```

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

```
.background{ background-color: rgb(83, 12,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor