

Converting Colors

YIQ(70.2960, 13.8460, 2.3740)

Have a look what the booklet for
YIQ(70.2960, 13.8460, 2.3740)
contains.

YIQ(70.2960, 13.8460, 2.3740)	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(70.2960, 13.8460,
2.3740)**

Conversions

Conversions Part 1

Format	Color
Hex	55413B
RGB	85, 65, 59
RGB Percent	33%, 25%, 23%
CMY	0.6666, 0.7451, 0.7686
CMYK	0.00, 0.24, 0.31, 0.67
HSL	14°, 18%, 28%
HSV	14°, 31%, 33%
XYZ	6.4270, 6.0274, 4.9644
YIQ	70.2960, 13.8460, 2.3740

Conversions

Conversions Part 2

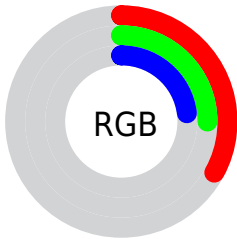
Format	Color
R_{YB}	85, 67, 59
Decimal	5587259
CIE _{Lab}	29.48, 7.66, 6.97
CIE _{LCh}	29, 10.354, 42.287
Yxy	6.0274, 0.3690, 0.3460
Android (android.graphics.Color)	4283777339 (0xFF55413B)
YUV	70.2960, -5.5689, 12.8954
Hunter-Lab	24.5507, 3.7645, 5.1965




Details

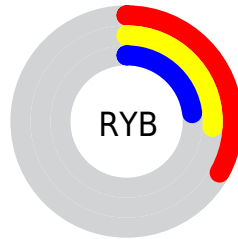
The YIQ color **70.2960, 13.8460, 2.3740** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **73.7040, -13.8460, -2.3740**, and the grayscale version is **70.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **118.7800, 15.3590, 2.4870**, and **26.5130, 11.7370, 2.0490** is the 20% darker color. If you saturate the color by 10%, you get **65.2750, 18.3390, 3.5470**, and if you desaturate by 10%, it is **75.4310, 9.0320, 1.5120**.

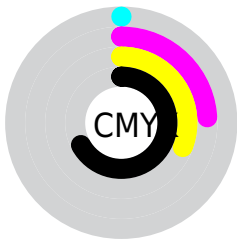
Distribution







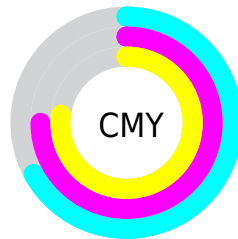
-  Red (33%)
-  Green (25%)
-  Blue (23%)






-  Red (33%)
-  Yellow (26%)
-  Blue (23%)



-  Cyan (0%)
-  Magenta (24%)
-  Yellow (31%)
-  Black (67%)



-  Cyan (67%)
-  Magenta (75%)
-  Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 70.2960, 13.8460, 2.3740 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 70.2960, 13.8460, 2.3740 by changing the saturation by 10% instead.

70.2960, 13.8460,
2.3740

70.2960, 13.8460,
2.3740

255.0000, -0.0000,
-0.0000

47.6980, 12.6540,
1.9500

118.7800, 15.3590,
2.4870

26.5130, 11.7370,
2.0490

144.3780, 16.5510,
2.9110

4.1860, 8.3440,
2.9680

171.2640, 16.8720,
2.6000

0.0000, 0.0000,
0.0000

198.5630, 17.4680,
2.8120

226.5630, 17.4680,
2.8120

249.1810, 6.7400,

-1.0040

■ 70.2960, 13.8460,
2.3740

■ 70.2960, 13.8460,
2.3740

■ 65.2750, 18.3390,
3.5470

■ 75.4310, 9.0320,
1.5120

■ 60.7270, 22.8780,
3.8860

■ 79.8650, 4.8140,
0.8620

■ 55.7060, 27.3710,
5.0590

■ 85.0000, -0.0000,
0.0000

■ 51.1580, 31.9100,
5.3980

■ 89.4340, -4.2180,
-0.6500

■ 46.1370, 36.4030,
6.5710

■ 94.5690, -9.0320,
-1.5120

■ 41.5890, 40.9420,
6.9100

■ 99.0030, -13.2500,
-2.1620

■ 37.1550, 45.1600,
7.5600

■ 104.1380,
-18.0640, -3.0240

■ 108.5720,
-22.2820, -3.6740

■ 113.7070,
-27.0960, -4.5360

Harmonies

Analogous

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



70.8060, 12.4700, 5.2860



70.2960, 13.8460, 2.3740



69.4050, 11.9210, -1.2870

Triad

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



70.2960, 13.8460, 2.3740



66.8800, -8.7100, -7.3500



69.6280, -7.5200, 4.1280

Complementary

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



70.2960, 13.8460, 2.3740



73.7040, -13.8460, -2.3740

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.



67.9860, -14.5800, -0.0840



70.2960, 13.8460, 2.3740



66.4110, -14.5790, -5.6110

Square

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



70.2960, 13.8460, 2.3740



67.5990, -0.5490, -6.5730



66.3230, -17.1470, -3.1230



70.4010, 0.5490, 6.5730

Rectangle

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



70.2960, 13.8460, 2.3740



69.0840, 8.3910, -3.3930



66.3230, -17.1470, -3.1230



69.0190, -10.1790, 2.7570

Sweetspot

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



70.2960, 13.8460, 2.3740



104.1640, 5.4100, 1.0740



69.0540, 9.0760, 11.7320



52.3810, 3.3010, 0.7490



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.



70.2960, 13.8460, 2.3740



86.5420, 21.9610, 3.9850



77.9270, 10.2710, -4.4250



40.7830, 2.1090, 0.3250



46.6680, 56.8970, 9.6090



101.9630, 125.2100, 21.5780

Inverse Universe

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



73.7040, -13.8460, -2.3740



91.8710, -21.6860, -3.4620



66.0730, -10.2710, 4.4250



41.2170, -2.1090, -0.3250



60.3320, -56.8970, -9.6090



133.0370, -125.2100, -21.5780

Previews

White Background



This preview shows how the YIQ color 70.2960, 13.8460, 2.3740 looks on a white background.

Color Contrast Check

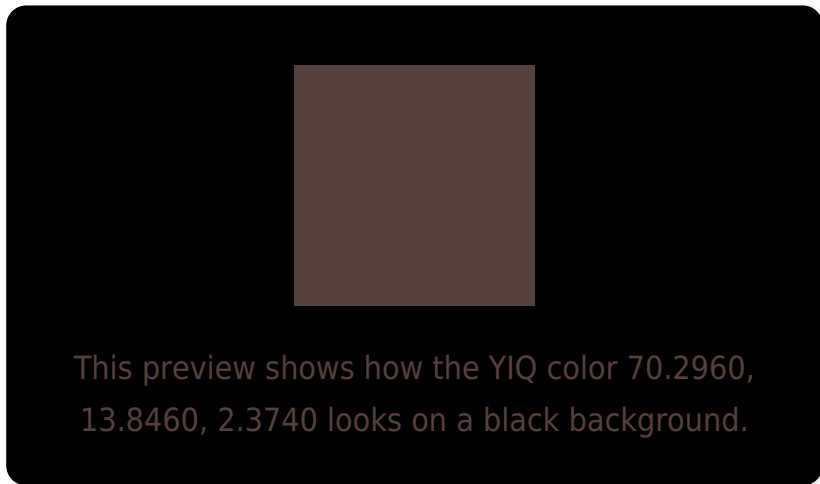
Large Text (above 18pt) WCAG AA ✓ Pass

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

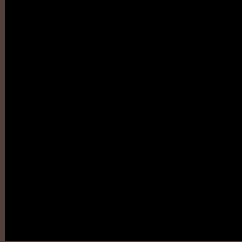
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 70.2960, 13.8460, 2.3740

Background



This preview shows how black text looks on a background with the YIQ color 70.2960, 13.8460, 2.3740.

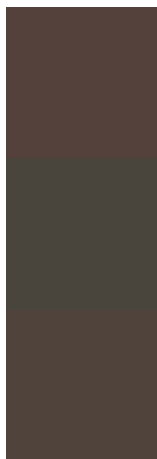


This preview shows how white text looks on a background with the YIQ color 70.2960, 13.8460,

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

70.2960, 13.8460, 2.3740

Protanopia

69.2840, 4.9520, -1.6400

Deuteranopia

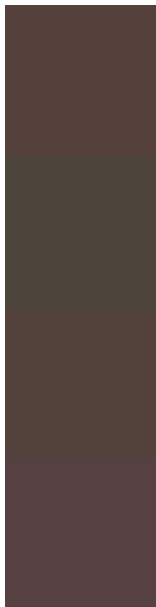
69.9750, 10.3160, 0.2680



Tritanopia

71.0340, 11.8280, 5.9080

Trichromacy



Original Color

70.2960, 13.8460, 2.3740

Protanomaly

69.7790, 7.9320, -0.5800

Deuteranomaly

69.9860, 11.7830, 1.2150

Tritanomaly

70.6920, 12.7910, 4.9750

Monochromacy



Original Color

70.2960, 13.8460, 2.3740

Achromatopsia

70.0000, 0.0000, 0.0000

Achromatomaly

69.8650, 4.8140, 0.8620

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.2960, 13.8460, 2.3740 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, 65, 59)` looks like.

```
.text, #text, p{  
    color:rgb(85, 65, 59)  
}
```

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, 65, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 65, 59) }
```

Border

The CSS property to change the border of an element to YIQ 70.2960, 13.8460, 2.3740 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, 65, 59) }
```


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

```
.border{ border-color:rgb(85, 65, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 65, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 65, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 65, 59);  
box-shadow:4px 4px 4px 4px rgb(85, 65, 59)  
}
```

Background

The CSS property to change the background color of an element to YIQ 70.2960, 13.8460, 2.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 65, 59) }
```

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

```
.background{ background-color: rgb(85, 65,  
59) }
```

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