

Converting Colors

YIQ(68.5080, 10.1330, -1.9230)

Have a look what the booklet for
YIQ(68.5080, 10.1330, -1.9230)
contains.

YIQ(68.5080, 10.1330, -1.9230)	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(68.5080, 10.1330,
-1.9230)**

Conversions

Conversions Part 1

Format	Color
Hex	4D4336
RGB	77, 67, 54
RGB Percent	30%, 26%, 21%
CMY	0.6980, 0.7373, 0.7882
CMYK	0.00, 0.13, 0.30, 0.70
HSL	34°, 18%, 26%
HSV	34°, 30%, 30%
XYZ	5.7339, 5.8582, 4.3201
YIQ	68.5080, 10.1330, -1.9230

Conversions

Conversions Part 2

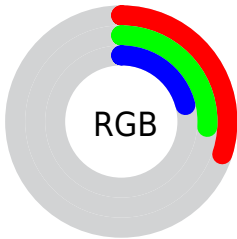
Format	Color
R_{YB}	72, 77, 54
Decimal	5063478
CIE Lab	29.05, 1.91, 9.46
CIE LCh	29, 9.652, 78.589
Yxy	5.8582, 0.3603, 0.3682
Android (android.graphics.Color)	4283253558 (0xFF4D4336)
YUV	68.5080, -7.1524, 7.4475
Hunter-Lab	24.2037, -0.0693, 6.3599

Details

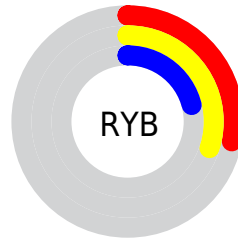
The YIQ color **68.5080, 10.1330, -1.9230** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **62.4920, -10.1330, 1.9230**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **116.6930, 11.0500, -2.0220**, and **25.0950, 9.8580, -2.4460** is the 20% darker color. If you saturate the color by 10%, you get **65.8350, 13.5260, -2.8420**, and if you desaturate by 10%, it is **71.1810, 6.7400, -1.0040**.

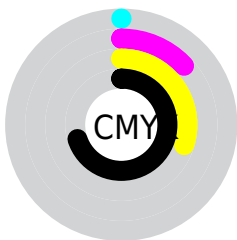
Distribution



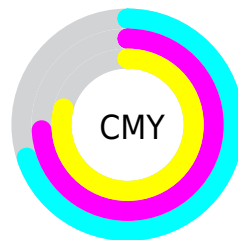
- Red (30%)
- Green (26%)
- Blue (21%)



- Red (28%)
- Yellow (30%)
- Blue (21%)



- Cyan (0%)
- Magenta (13%)
- Yellow (30%)
- Black (70%)



- Cyan (70%)
- Magenta (74%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.5080, 10.1330, -1.9230 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 68.5080, 10.1330, -1.9230 by changing the saturation by 10% instead.

■ 68.5080, 10.1330,
-1.9230

■ 68.5080, 10.1330,
-1.9230

■ 255.0000, -0.0000,
-0.0000

■ 46.3230, 9.2160,
-1.8240

■ 116.6930, 11.0500,
-2.0220

■ 25.0950, 9.8580,
-2.4460

■ 141.9920, 11.6460,
-1.8100

■ 0.0000, 0.0000,
0.0000

■ 168.8780, 11.9670,
-2.1210

■ 196.0630, 12.8840,
-2.2200

■ 224.0630, 12.8840,
-2.2200

■ 249.6710, 8.1160,

-3.9160

■ 68.5080, 10.1330,
-1.9230

■ 68.5080, 10.1330,
-1.9230

■ 65.8350, 13.5260,
-2.8420

■ 71.1810, 6.7400,
-1.0040

■ 62.6890, 16.8730,
-2.9270

■ 74.3270, 3.3930,
-0.9190

■ 60.0160, 20.2660,
-3.8460

■ 77.0000, -0.0000,
-0.0000

■ 57.3430, 23.6590,
-4.7650

■ 79.6730, -3.3930,
0.9190

■ 54.1970, 27.0060,
-4.8500

■ 82.9330, -7.0610,
1.3150

■ 51.5240, 30.3990,
-5.7690

■ 85.4920, -10.1330,
1.9230

■ 48.8510, 33.7920,
-6.6880

■ 88.1650, -13.5260,
2.8420

■ 48.2640, 34.0670,
-6.1650

■ 91.4250, -17.1940,
3.2380

■ 93.9840, -20.2660,
3.8460

Harmonies

Analogous

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



69.2850, 12.3790, 1.4270



68.5080, 10.1330, -1.9230



67.2900, 4.8150, -4.6650

Triad

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



68.5080, 10.1330, -1.9230



65.8240, -14.3040, -5.0880



69.4720, 1.7870, 6.1630

Complementary

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



68.5080, 10.1330, -1.9230



62.4920, -10.1330, 1.9230

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.



69.1120, -6.0070, 4.2410



68.5080, 10.1330, -1.9230



66.2200, -15.3590, -2.4870

Square

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



68.5080, 10.1330, -1.9230



66.1080, -9.3520, -6.7280



67.2960, -12.5170, 1.0750



70.2940, 8.1600, 6.3040

Rectangle

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



68.5080, 10.1330, -1.9230



67.3110, 0.3220, -5.8380



67.2960, -12.5170, 1.0750



69.3900, -0.9180, 5.6260

Sweetspot

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



68.5080, 10.1330, -1.9230



96.2130, 3.7140, -1.2300



62.0170, 10.4980, 7.9860



49.1420, 2.4760, -0.8200



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

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



68.5080, 10.1330, -1.9230



86.2050, 15.3600, -3.0400



74.0790, 6.7870, -7.3650



36.9570, 1.5590, -0.7210



64.5440, 44.8420, -8.7100



145.0800, 101.3300, -19.2300

Inverse Universe

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



62.4920, -10.1330, 1.9230



76.7950, -15.3600, 3.0400



56.9210, -6.7870, 7.3650



35.6300, -1.8340, 0.1980



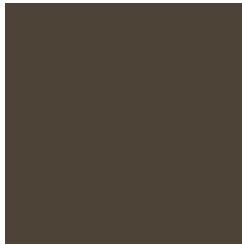
37.4560, -44.8420, 8.7100



84.9200, -101.3300, 19.2300

Previews

White Background



This preview shows how the YIQ color 68.5080, 10.1330, -1.9230 looks on a white background.

Color Contrast Check

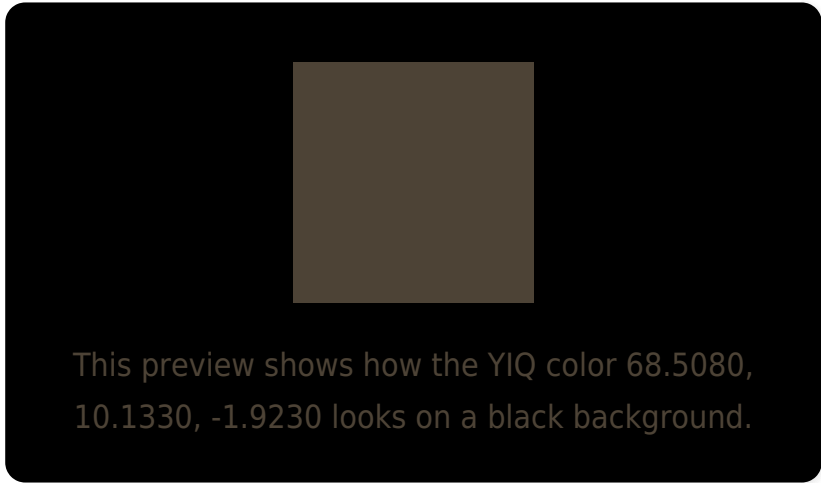
Large Text (above 18pt) WCAG AA ✓ Pass

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

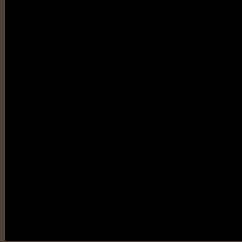
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.5080, 10.1330, -1.9230

Background



This preview shows how black text looks on a background with the YIQ color 68.5080, 10.1330, -1.9230.



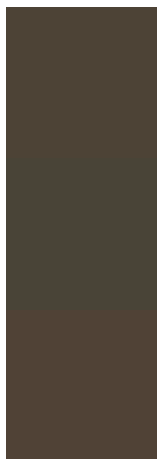
This preview shows how white text looks on a background with the YIQ color 68.5080, 10.1330,

-1.9230.

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

68.5080, 10.1330, -1.9230

Protanopia

68.0130, 7.1530, -2.9830

Deuteranopia

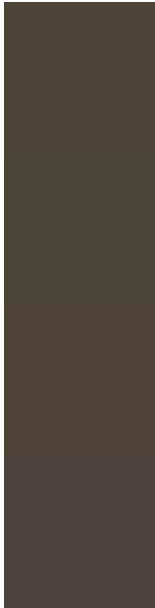
68.8180, 12.1960, -0.7640



Tritanopia

69.7560, 6.7390, 4.5230

Trichromacy



Original Color

68.5080, 10.1330, -1.9230

Protanomaly

68.3120, 7.7490, -2.7710

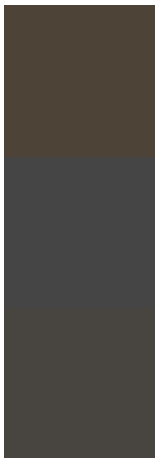
Deuteranomaly

68.5190, 11.6000, -0.9760

Tritanomaly

69.3600, 7.7940, 1.9220

Monochromacy



Original Color

68.5080, 10.1330, -1.9230

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

68.7400, 3.6680, -0.3960

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.5080, 10.1330, -1.9230 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(77, 67, 54)` looks like.

```
.text, #text, p{  
    color:rgb(77, 67, 54)  
}
```

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(77, 67, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 67, 54) }
```

Border

The CSS property to change the border of an element to YIQ 68.5080, 10.1330, -1.9230 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(77, 67, 54) }
```


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

```
.border{ border-color:rgb(77, 67, 54) }
```

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

Here you see how a box with a 4 pixel rgb(77, 67, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 67, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 67, 54);  
box-shadow:4px 4px 4px 4px rgb(77, 67, 54)  
}
```

Background

The CSS property to change the background color of an element to YIQ 68.5080, 10.1330, -1.9230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 67, 54) }
```

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

```
.background{ background-color: rgb(77, 67,  
54) }
```

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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