

Converting Colors

YIQ(68.8760, 6.2810, 1.8090)

Have a look what the booklet for
YIQ(68.8760, 6.2810, 1.8090)
contains.

YIQ(68.8760, 6.2810, 1.8090)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

YIQ(68.8760, 6.2810, 1.8090)

Conversions

Conversions Part 1

Format	Color
Hex	4C4241
RGB	76, 66, 65
RGB Percent	30%, 26%, 25%
CMY	0.7019, 0.7412, 0.7451
CMYK	0.00, 0.13, 0.14, 0.70
HSL	5°, 8%, 28%
HSV	5°, 14%, 30%
XYZ	5.8833, 5.8144, 5.8142
YIQ	68.8760, 6.2810, 1.8090

Conversions

Conversions Part 2

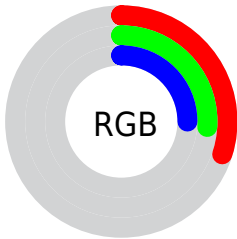
Format	Color
R_{YB}	76, 66, 65
Decimal	4997697
CIE Lab	28.94, 4.08, 2.17
CIE LCh	29, 4.622, 27.969
Yxy	5.8144, 0.3360, 0.3320
Android (android.graphics.Color)	4283187777 (0xFF4C4241)
YUV	68.8760, -1.9109, 6.2477
Hunter-Lab	24.1131, 1.3536, 2.5829




Details

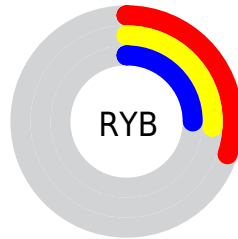
The YIQ color **68.8760, 6.2810, 1.8090** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **72.1240, -6.2810, -1.8090**, and the grayscale version is **69.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **117.1750, 6.8770, 2.0210**, and **25.6910, 5.3640, 1.9080** is the 20% darker color. If you saturate the color by 10%, you get **63.8550, 10.7740, 2.9820**, and if you desaturate by 10%, it is **73.8970, 1.7880, 0.6360**.

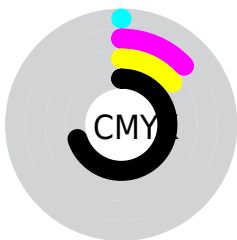
Distribution







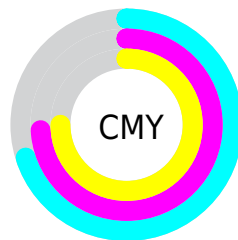
-  Red (30%)
-  Green (26%)
-  Blue (25%)






-  Red (30%)
-  Yellow (26%)
-  Blue (25%)



-  Cyan (0%)
-  Magenta (13%)
-  Yellow (14%)
-  Black (70%)



-  Cyan (70%)
-  Magenta (74%)
-  Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.8760, 6.2810, 1.8090 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 68.8760, 6.2810, 1.8090 by changing the saturation by 10% instead.

■ 68.8760, 6.2810,
1.8090

■ 68.8760, 6.2810,
1.8090

■ 255.0000, -0.0000,
-0.0000

■ 46.5770, 5.6850,
1.5970

■ 117.1750, 6.8770,
2.0210

■ 25.6910, 5.3640,
1.9080

■ 142.4740, 7.4730,
2.2330

■ 0.0000, 0.0000,
0.0000

■ 169.3600, 7.7940,
1.9220

■ 196.4740, 7.4730,
2.2330

■ 224.3600, 7.7940,
1.9220

■ 250.6800, 3.8970,

0.9610

■ 68.8760, 6.2810,
1.8090

■ 68.8760, 6.2810,
1.8090

■ 63.8550, 10.7740,
2.9820

■ 73.8970, 1.7880,
0.6360

■ 58.9480, 14.9460,
4.4660

■ 78.8040, -2.3840,
-0.8480

■ 53.9270, 19.4390,
5.6390

■ 83.8250, -6.8770,
-2.0210

■ 49.0200, 23.6110,
7.1230

■ 88.7320, -11.0490,
-3.5050

■ 43.9990, 28.1040,
8.2960

■ 93.7530, -15.5420,
-4.6780

■ 39.5650, 32.3220,
8.9460

■ 98.1870, -19.7600,
-5.3280

■ 34.6580, 36.4940,
10.4300

■ 103.0940,
-23.9320, -6.8120

■ 29.6370, 40.9870,
11.6030

■ 108.1150,
-28.4250, -7.9850

■ 26.8330, 43.3710,
12.4510

■ 113.0220,
-32.5970, -9.4690

Harmonies

Analogous

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



69.0330, 4.4010, 2.8410



68.8760, 6.2810, 1.8090



68.8220, 6.3730, 0.1410

Triad

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



68.8760, 6.2810, 1.8090



67.2230, -2.2460, -3.3500



68.1890, -4.9060, 0.8060

Complementary

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



68.8760, 6.2810, 1.8090



72.1240, -6.2810, -1.8090

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.



67.7650, -6.6480, -0.6640



68.8760, 6.2810, 1.8090



66.7820, -5.3180, -2.7420

Square

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



68.8760, 6.2810, 1.8090



67.6040, 1.0550, -2.6010



66.8250, -6.8770, -2.0210



68.3960, -1.0550, 2.6010

Rectangle

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



68.8760, 6.2810, 1.8090



68.1100, 5.5020, -0.5940



66.8250, -6.8770, -2.0210



67.8900, -5.5020, 0.5940

Sweetspot

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



68.8760, 6.2810, 1.8090



96.7830, 2.1090, 0.3250



69.4290, 3.3460, 5.4420



49.4840, 1.5130, 0.1130



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.



68.8760, 6.2810, 1.8090



88.3710, 9.2610, 2.8690



71.8110, 4.9060, -0.8060



35.7830, 2.1090, 0.3250



35.7810, 58.3170, 16.9170



81.0970, 131.3050, 37.7770

Inverse Universe

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



72.1240, -6.2810, -1.8090



93.6290, -9.2610, -2.8690



69.1890, -4.9060, 0.8060



36.8040, -2.3840, -0.8480



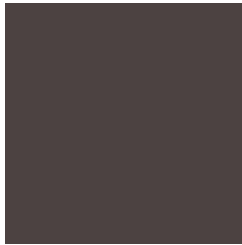
66.2190, -58.3170, -16.9170



148.9030, -131.3050, -37.7770

Previews

White Background



This preview shows how the YIQ color 68.8760, 6.2810, 1.8090 looks on a white background.

Color Contrast Check

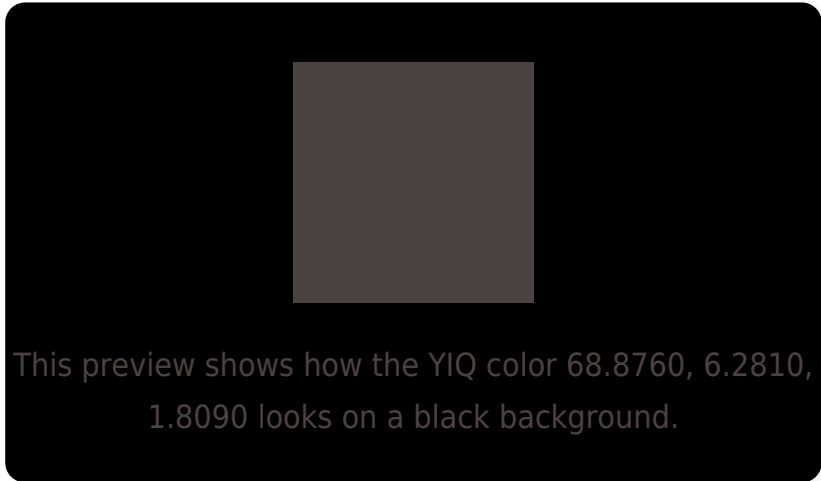
Large Text (above 18pt) WCAG AA ✓ Pass

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

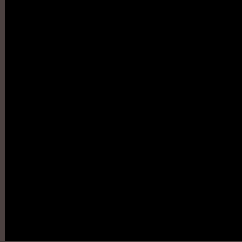
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.8760, 6.2810, 1.8090

Background



This preview shows how black text looks on a background with the YIQ color 68.8760, 6.2810, 1.8090.



This preview shows how white text looks on a background with the YIQ color 68.8760, 6.2810, 1.8090.

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

68.8760, 6.2810, 1.8090

Protanopia

68.3700, 1.8340, -0.1980

Deuteranopia

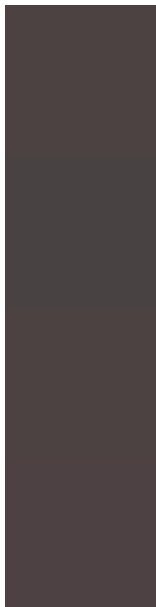
68.8760, 6.2810, 1.8090



Tritanopia

69.1580, 5.5470, 4.0990

Trichromacy



Original Color

68.8760, 6.2810, 1.8090

Protanomaly

68.3810, 3.3010, 0.7490

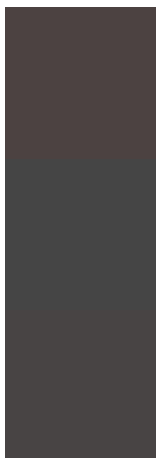
Deuteranomaly

68.8760, 6.2810, 1.8090

Tritanomaly

68.9300, 6.1890, 3.4770

Monochromacy



Original Color

68.8760, 6.2810, 1.8090

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

69.1960, 2.3840, 0.8480

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.8760, 6.2810, 1.8090 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(76, 66, 65)` looks like.

```
.text, #text, p{  
    color:rgb(76, 66, 65)  
}
```

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(76, 66, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 66, 65) }
```

Border

The CSS property to change the border of an element to YIQ 68.8760, 6.2810, 1.8090 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(76, 66, 65) }
```

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

```
.border{ border-color:rgb(76, 66, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 66, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 66, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 66, 65);  
box-shadow:4px 4px 4px 4px rgb(76, 66, 65)  
}
```


Background

The CSS property to change the background color of an element to YIQ 68.8760, 6.2810, 1.8090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 66, 65) }
```

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

```
.background{ background-color: rgb(76, 66,  
65) }
```

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