

Converting Colors

YIQ(68.6710, -9.0790, 4.8490)

Have a look what the booklet for
YIQ(68.6710, -9.0790, 4.8490)
contains.

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Color

**YIQ(68.6710, -9.0790,
4.8490)**

Conversions

Conversions Part 1

Format	Color
Hex	3F4457
RGB	63, 68, 87
RGB Percent	25%, 27%, 34%
CMY	0.7529, 0.7333, 0.6589
CMYK	0.28, 0.22, 0.00, 0.66
HSL	227°, 16%, 29%
HSV	227°, 28%, 34%
XYZ	5.8369, 5.8792, 9.8412
YIQ	68.6710, -9.0790, 4.8490

Conversions

Conversions Part 2

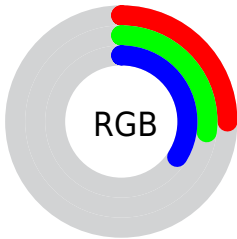
Format	Color
RYB	63, 67, 87
Decimal	4146263
CIELab	29.11, 2.85, -11.99
CIElCh	29, 12.320, 283.353
Yxy	5.8792, 0.2708, 0.2727
Android (android.graphics.Color)	4282336343 (0xFF3F4457)
YUV	68.6710, 9.0362, -4.9735
Hunter-Lab	24.2470, 0.5376, -7.0913

Details

The YIQ color **68.6710, -9.0790, 4.8490** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **81.3290, 9.0790, -4.8490**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **116.8990, -9.7210, 5.4710**, and **25.1440, -9.0330, 4.0150** is the 20% darker color. If you saturate the color by 10%, you get **61.8710, -12.5180, 6.6020**, and if you desaturate by 10%, it is **75.4710, -5.6400, 3.0960**.

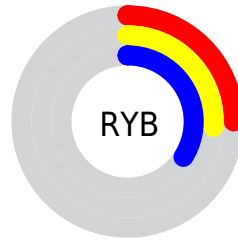
Distribution



Red (25%)

Green (27%)

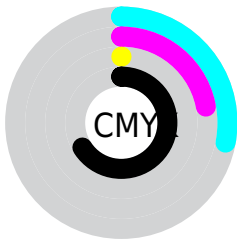
Blue (34%)



Red (25%)

Yellow (26%)

Blue (34%)

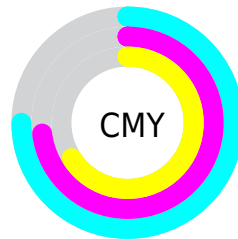


Cyan (28%)

Magenta (22%)

Yellow (0%)

Black (66%)



Cyan (75%)

Magenta (73%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.6710, -9.0790, 4.8490 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 68.6710, -9.0790, 4.8490 by changing the saturation by 10% instead.

■ 68.6710, -9.0790,
4.8490

■ 68.6710, -9.0790,
4.8490

■ 255.0000, -0.0000,
-0.0000

■ 46.5570, -8.7580,
4.5380

■ 116.8990, -9.7210,
5.4710

■ 25.1440, -9.0330,
4.0150

■ 142.8990, -9.7210,
5.4710

■ 2.9810, -7.0160,
6.0080

■ 169.0130,
-10.0420, 5.7820

■ 0.0000, 0.0000,
0.0000

■ 196.1270,
-10.3630, 6.0930

■ 224.2410,
-10.6840, 6.4040

■ 250.8470, -3.9430,

-0.1270

■ 68.6710, -9.0790,
4.8490

■ 68.6710, -9.0790,
4.8490

■ 61.8710, -12.5180,
6.6020

■ 75.4710, -5.6400,
3.0960

■ 55.3700, -15.3610,
8.5670

■ 81.9720, -2.7970,
1.1310

■ 48.5700, -18.8000,
10.3200

■ 88.7720, 0.6420,
-0.6220

■ 41.7700, -22.2390,
12.0730

■ 95.5720, 4.0810,
-2.3750

■ 35.8560, -25.3570,
13.5150

■ 101.4860, 7.1990,
-3.8170

■ 29.0560, -28.7960,
15.2680

■ 108.2860, 10.6380,
-5.5700

■ 22.2560, -32.2350,
17.0210

■ 115.0860, 14.0770,
-7.3230

■ 20.4840, -32.8770,
17.6430

■ 121.8860, 17.5160,
-9.0760

■ 128.3870, 20.3590,
-11.0410

Harmonies

Analogous

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



66.5450, -17.6520, 0.5240



68.6710, -9.0790, 4.8490



69.9280, 0.5030, 7.4070

Triad

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



68.6710, -9.0790, 4.8490



69.3780, 16.5510, 2.9110



65.5700, -10.7730, -8.5090

Complementary

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



68.6710, -9.0790, 4.8490



81.3290, 9.0790, -4.8490

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.



66.7730, -1.0990, -7.6190



68.6710, -9.0790, 4.8490



68.7750, 13.7550, -1.4850

Square

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



68.6710, -9.0790, 4.8490



70.1160, 14.5330, 6.4450



67.4320, 7.2910, -5.4850



64.6170, -18.1550, -6.8830

Rectangle

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



68.6710, -9.0790, 4.8490



70.2770, 6.8300, 8.3820



67.4320, 7.2910, -5.4850



65.5380, -7.7470, -8.2830

Sweetspot

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



68.6710, -9.0790, 4.8490



105.2000, -3.4390, 1.7530



79.2540, -12.6990, -6.6430



51.8580, -2.4760, 0.8200



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.



68.6710, -9.0790, 4.8490



83.9140, -14.0770, 7.3230



67.8290, -3.5320, 8.9480



40.0430, -1.5590, 0.7210



25.1120, -40.3970, 21.7710



55.5530, -88.9100, 47.4580

Inverse Universe

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



70.7460, 12.6990, 6.6430



86.9750, 19.4840, 10.3320



82.1710, 3.5320, -8.9480



40.3100, 2.0630, 1.1590



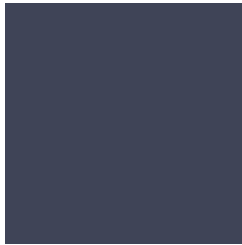
34.5010, 56.7100, 29.5260



75.8510, 124.3310, 65.0590

Previews

White Background



This preview shows how the YIQ color 68.6710, -9.0790, 4.8490 looks on a white background.

Color Contrast Check

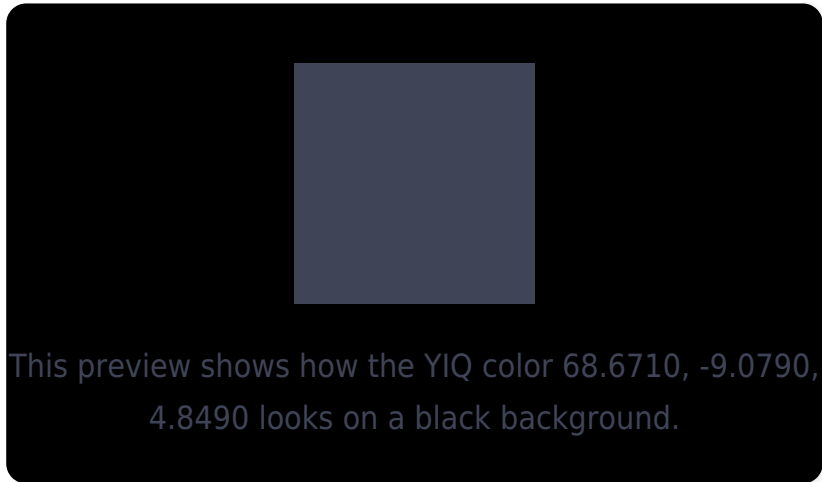
Large Text (above 18pt) WCAG AA ✓ Pass

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

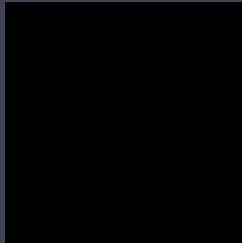
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.6710, -9.0790, 4.8490

Background



This preview shows how black text looks on a background with the YIQ color 68.6710, -9.0790, 4.8490.



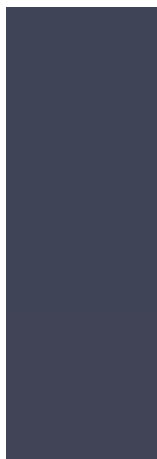
This preview shows how white text looks on a background with the YIQ color 68.6710, -9.0790,

4.8490.

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

68.6710, -9.0790, 4.8490

Protanopia

68.9700, -8.4830, 5.0610

Deuteranopia

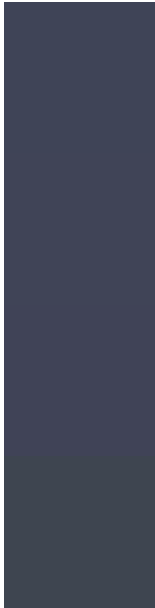
68.6820, -7.6120, 5.7960



Tritanopia

67.9930, -7.2900, -0.0420

Trichromacy



Original Color

68.6710, -9.0790, 4.8490

Protanomaly

68.9700, -8.4830, 5.0610

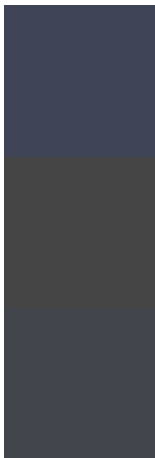
Deuteranomaly

68.3830, -8.2080, 5.5840

Tritanomaly

68.1610, -7.7030, 1.9370

Monochromacy



Original Color

68.6710, -9.0790, 4.8490

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

69.2000, -3.4390, 1.7530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.6710, -9.0790, 4.8490 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(63, 68, 87)` looks like.

```
.text, #text, p{  
    color:rgb(63, 68, 87)  
}
```

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(63, 68, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 68, 87) }
```

Border

The CSS property to change the border of an element to YIQ 68.6710, -9.0790, 4.8490 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(63, 68, 87) }
```


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

```
.border{ border-color:rgb(63, 68, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 68, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 68, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 68, 87);  
box-shadow:4px 4px 4px 4px rgb(63, 68, 87)  
}
```

Background

The CSS property to change the background color of an element to YIQ 68.6710, -9.0790, 4.8490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 68, 87) }
```

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

```
.background{ background-color: rgb(63, 68,  
87) }
```

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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