

Converting Colors

YIQ(68.6950, -0.4590, 2.8130)

Have a look what the booklet for
YIQ(68.6950, -0.4590, 2.8130)
contains.

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Color

**YIQ(68.6950, -0.4590,
2.8130)**

Conversions

Conversions Part 1

Format	Color
Hex	46434A
RGB	70, 67, 74
RGB Percent	27%, 26%, 29%
CMY	0.7255, 0.7373, 0.7098
CMYK	0.05, 0.09, 0.00, 0.71
HSL	266°, 5%, 28%
HSV	266°, 9%, 29%
XYZ	5.7690, 5.8107, 7.2958
YIQ	68.6950, -0.4590, 2.8130

Conversions

Conversions Part 2

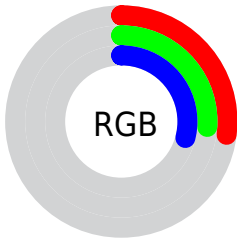
Format	Color
RYB	70, 67, 74
Decimal	4604746
CIELab	28.93, 2.83, -3.77
CIELCh	29, 4.715, 306.957
Yxy	5.8107, 0.3056, 0.3078
Android (android.graphics.Color)	4282794826 (0xFF46434A)
YUV	68.6950, 2.6154, 1.1445
Hunter-Lab	24.1055, 0.5349, -1.0709

Details

The YIQ color **68.6950, -0.4590, 2.8130** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **72.3050, 0.4590, -2.8130**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **116.8090, -0.7800, 3.1240**, and **25.5810, -0.1380, 2.5020** is the 20% darker color. If you saturate the color by 10%, you get **63.3900, -0.9180, 5.6260**, and if you desaturate by 10%, it is **74.0000, -0.0000, 0.0000**.

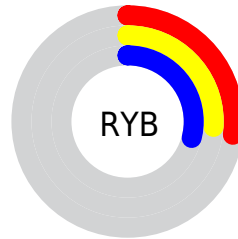
Distribution



Red (27%)

Green (26%)

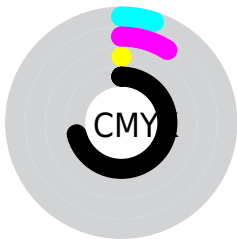
Blue (29%)



Red (27%)

Yellow (26%)

Blue (29%)

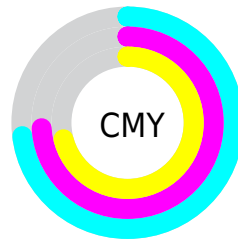


Cyan (5%)

Magenta (9%)

Yellow (0%)

Black (71%)



Cyan (73%)

Magenta (74%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.6950, -0.4590, 2.8130 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 68.6950, -0.4590, 2.8130 by changing the saturation by 10% instead.

■ 68.6950, -0.4590,
2.8130

■ 68.6950, -0.4590,
2.8130

■ 255.0000, -0.0000,
-0.0000

■ 46.5810, -0.1380,
2.5020

■ 116.8090, -0.7800,
3.1240

■ 25.5810, -0.1380,
2.5020

■ 142.1080, -0.1840,
3.3360

■ 0.5700, -1.6050,
1.5550

■ 168.8090, -0.7800,
3.1240

■ 0.0000, 0.0000,
0.0000

■ 196.1080, -0.1840,
3.3360

■ 224.1080, -0.1840,
3.3360

■ 251.7660, 0.7790,

2.4030

■ 68.6950, -0.4590,
2.8130

■ 68.6950, -0.4590,
2.8130

■ 63.3900, -0.9180,
5.6260

■ 74.0000, -0.0000,
0.0000

■ 57.4980, -1.1020,
8.9620

■ 79.8920, 0.1840,
-3.3360

■ 51.8940, -2.1570,
11.5630

■ 85.4960, 1.2390,
-5.9370

■ 46.0020, -2.3410,
14.8990

■ 91.3880, 1.4230,
-9.2730

■ 40.6970, -2.8000,
17.7120

■ 96.6930, 1.8820,
-12.0860

■ 35.3920, -3.2590,
20.5250

■ 101.9980, 2.3410,
-14.8990

■ 29.2010, -4.0390,
23.6490

■ 108.1890, 3.1210,
-18.0230

■ 23.8960, -4.4980,
26.4620

■ 113.4940, 3.5800,
-20.8360

■ 18.0040, -4.6820,
29.7980

■ 119.3860, 3.7640,
-24.1720

Harmonies

Analogous

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



67.9010, -4.0350, 1.5410



68.6950, -0.4590, 2.8130



68.9620, 3.1630, 3.2510

Triad

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



68.6950, -0.4590, 2.8130



68.5230, 5.7770, -0.0710



66.8960, -5.6390, -2.4310

Complementary

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



68.6950, -0.4590, 2.8130



72.3050, 0.4590, -2.8130

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.



67.0380, -3.1630, -3.2510



68.6950, -0.4590, 2.8130



67.8000, 3.4390, -1.7530

Square

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



68.6950, -0.4590, 2.8130



68.7620, 6.6020, 1.4980



67.3050, 0.4590, -2.8130



66.9390, -7.1980, -1.7100

Rectangle

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



68.6950, -0.4590, 2.8130



69.0330, 4.4010, 2.8410



67.3050, 0.4590, -2.8130



66.7820, -5.3180, -2.7420

Sweetspot

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



68.6950, -0.4590, 2.8130



94.6410, -0.3670, 1.1450



70.1460, -3.3470, 0.0850



47.1140, -0.3210, 0.3110



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000

Same Dimension

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



68.6950, -0.4590, 2.8130



88.7490, -0.5510, 4.4810



69.5920, 1.3290, 3.4490



35.0540, -0.0920, 1.6680



24.7840, -6.5180, 41.0500



55.5220, -15.4220, 92.3060

Inverse Universe

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



69.5490, 2.8880, 2.7280



89.9730, 4.6300, 4.1980



71.4080, -1.3290, -3.4490



35.5380, 1.4210, 1.7810



37.1100, 42.1740, 39.6620



83.7040, 95.0290, 89.5010

Previews

White Background



This preview shows how the YIQ color 68.6950, -0.4590, 2.8130 looks on a white background.

Color Contrast Check

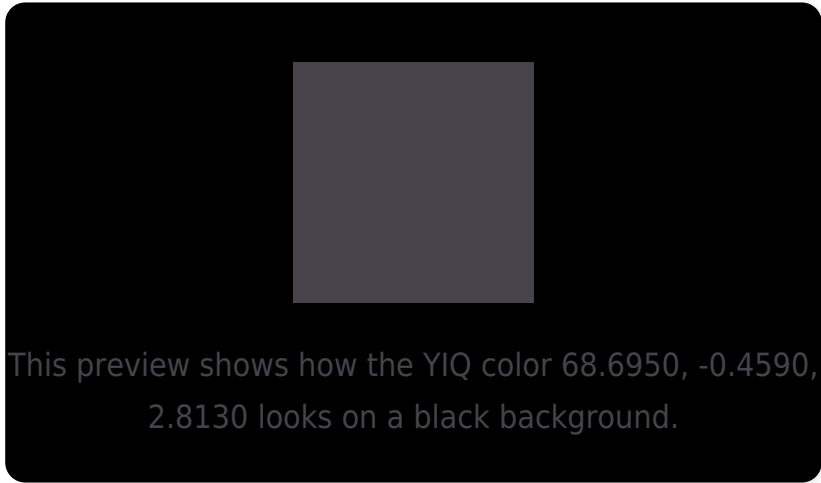
Large Text (above 18pt) WCAG AA ✓ Pass

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

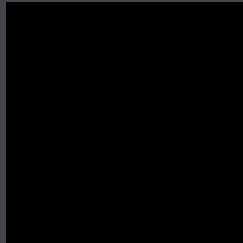
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.6950, -0.4590, 2.8130

Background



This preview shows how black text looks on a background with the YIQ color 68.6950, -0.4590, 2.8130.

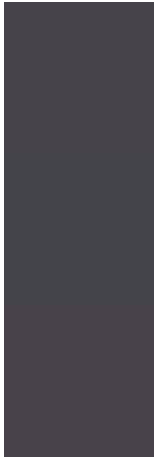


This preview shows how white text looks on a background with the YIQ color 68.6950, -0.4590,

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

68.6950, -0.4590, 2.8130

Protanopia

68.6840, -1.9260, 1.8660

Deuteranopia

68.7060, 1.0080, 3.7600



Tritanopia

68.5810, -0.1380, 2.5020

Trichromacy



Original Color

68.6950, -0.4590, 2.8130

Protanomaly

68.9830, -1.3300, 2.0780

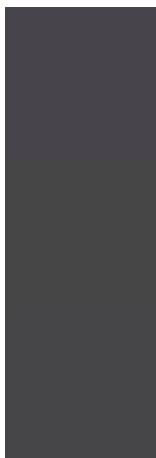
Deuteranomaly

68.4070, 0.4120, 3.5480

Tritanomaly

68.5810, -0.1380, 2.5020

Monochromacy



Original Color

68.6950, -0.4590, 2.8130

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

68.6410, -0.3670, 1.1450

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.6950, -0.4590, 2.8130 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(70, 67, 74)` looks like.

```
.text, #text, p{  
    color:rgb(70, 67, 74)  
}
```

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(70, 67, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 67, 74) }
```

Border

The CSS property to change the border of an element to YIQ 68.6950, -0.4590, 2.8130 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(70, 67, 74) }
```


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

```
.border{ border-color:rgb(70, 67, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 67, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 67, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 67, 74);  
box-shadow:4px 4px 4px 4px rgb(70, 67, 74)  
}
```

Background

The CSS property to change the background color of an element to YIQ 68.6950, -0.4590, 2.8130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 67, 74) }
```

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

```
.background{ background-color: rgb(70, 67,  
74) }
```

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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