

Converting Colors

YIQ(46.8350, -3.6690, 5.9230)

Have a look what the booklet for
YIQ(46.8350, -3.6690, 5.9230)
contains.

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Color

**YIQ(46.8350, -3.6690,
5.9230)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|--------------------------|
| Hex | 2F2C3D |
| RGB | 47, 44, 61 |
| RGB Percent | 18%, 17%, 24% |
| CMY | 0.8157, 0.8275, 0.7608 |
| CMYK | 0.23, 0.28, 0.00, 0.76 |
| HSL | 251°, 16%, 21% |
| HSV | 251°, 28%, 24% |
| XYZ | 2.9152, 2.7426, 4.7896 |
| YIQ | 46.8350, -3.6690, 5.9230 |

Conversions

Conversions Part 2

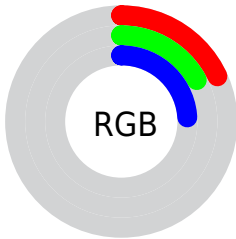
| Format | Color |
|-------------------------------------|-----------------------------|
| R_YB | 47, 44, 61 |
| Decimal | 3091517 |
| CIE Lab | 18.98, 5.73, -10.29 |
| CIE LCh | 19, 11.775, 299.111 |
| Yxy | 2.7426, 0.2790, 0.2625 |
| Android (android.graphics.Color) | 4281281597 (0xFF2F2C3D) |
| YUV | 46.8350, 6.9833, 0.1447 |
| Hunter-Lab | 16.5607, 2.4409, -5.5551 |

Details

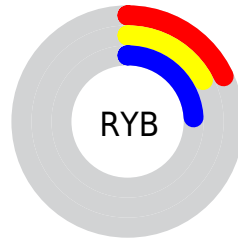
The YIQ color **46.8350, -3.6690, 5.9230** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **58.1650, 3.6690, -5.9230**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **92.3620, -3.7150, 6.7570**, and **2.1660, -6.0990, 5.9090** is the 20% darker color. If you saturate the color by 10%, you get **41.8180, -4.9990, 8.0010**, and if you desaturate by 10%, it is **51.8520, -2.3390, 3.8450**.

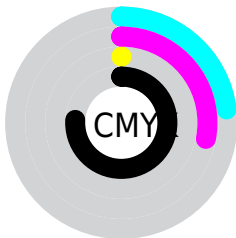
Distribution



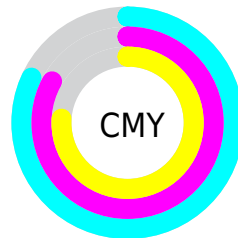
- Red (18%)
- Green (17%)
- Blue (24%)



- Red (18%)
- Yellow (17%)
- Blue (24%)



- Cyan (23%)
- Magenta (28%)
- Yellow (0%)
- Black (76%)



- Cyan (82%)
- Magenta (83%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.8350, -3.6690, 5.9230 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 46.8350, -3.6690, 5.9230 by changing the saturation by 10% instead.

■ 46.8350, -3.6690,
5.9230

■ 46.8350, -3.6690,
5.9230

■ 255.0000, -0.0000,
-0.0000

■ 26.3080, -3.6230,
5.0890

■ 92.3620, -3.7150,
6.7570

■ 2.1660, -6.0990,
5.9090

■ 117.4760, -4.0360,
7.0680

■ 0.0000, 0.0000,
0.0000

■ 142.8890, -3.7610,
7.5910

■ 169.5900, -4.3570,
7.3790

■ 196.7040, -4.6780,
7.6900

■ 224.7040, -4.6780,

7.6900

251.1790, 1.0540,
2.9260

46.8350, -3.6690,
5.9230

46.8350, -3.6690,
5.9230

41.8180, -4.9990,
8.0010

51.8520, -2.3390,
3.8450

36.8010, -6.3290,
10.0790

56.8690, -1.0090,
1.7670

31.7840, -7.6590,
12.1570

61.8860, 0.3210,
-0.3110

26.7670, -8.9890,
14.2350

66.9030, 1.6510,
-2.3890

21.7500, -10.3190,
16.3130

71.9200, 2.9810,
-4.4670

■ 16.1460, -11.3740,
18.9140

■ 77.5240, 4.0360,
-7.0680

■ 11.1290, -12.7040,
20.9920

■ 82.5410, 5.3660,
-9.1460

■ 10.2430, -13.0250,
21.3030

■ 87.5580, 6.6960,
-11.2240

■ 92.5750, 8.0260,
-13.3020

Harmonies

Analogous

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



45.2360, -12.2880, 2.4320



46.8350, -3.6690, 5.9230



47.3800, 5.0420, 7.7460

Triad

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



46.8350, -3.6690, 5.9230



46.5300, 13.0670, -0.0290



42.3570, -14.4870, -7.2790

Complementary

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



46.8350, -3.6690, 5.9230



58.1650, 3.6690, -5.9230

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.



43.4350, -5.9590, -7.6470



46.8350, -3.6690, 5.9230



45.2690, 9.3080, -3.4920

Square

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



46.8350, -3.6690, 5.9230



46.6490, 14.3500, 4.2540



44.5670, 2.4770, -6.3470



41.7740, -20.0350, -5.8510

Rectangle

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



46.8350, -3.6690, 5.9230



47.4190, 9.3060, 7.5620



44.5670, 2.4770, -6.3470



42.9120, -11.7360, -7.5760

Sweetspot

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



46.8350, -3.6690, 5.9230



73.9830, -1.3300, 2.0780



54.1560, -9.3070, -2.0350



37.4560, -1.2840, 1.2440



168.0000, -0.0000, -0.0000



41.0000, 0.0000, -0.0000

Same Dimension

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



46.8350, -3.6690, 5.9230



57.4590, -5.3660, 9.1460



49.2270, 1.0990, 7.6190



28.3420, -0.9630, 0.9330



15.7990, -20.0420, 32.8380



36.9690, -48.0180, 77.3100

Inverse Universe

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



50.6790, 5.6380, 7.9580



63.1680, 8.7550, 12.0430



55.7730, -1.0990, -7.6190



29.1250, 1.1460, 1.2580



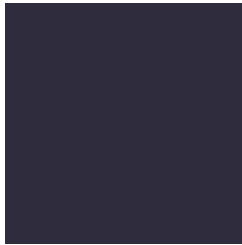
36.9980, 30.9860, 44.1860



87.2400, 73.5690, 103.9770

Previews

White Background



This preview shows how the YIQ color 46.8350, -3.6690, 5.9230 looks on a white background.

Color Contrast Check

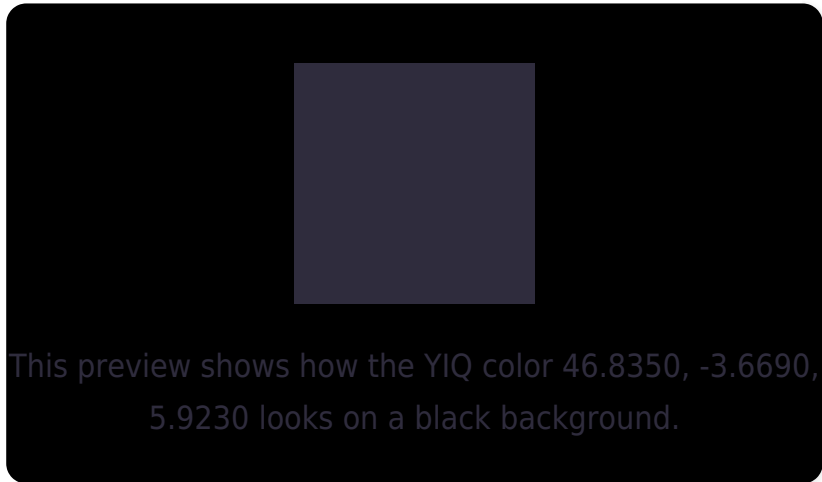
Large Text (above 18pt) WCAG AA ✓ Pass

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

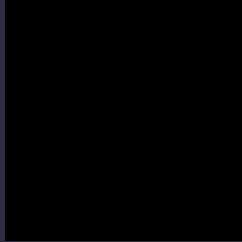
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.8350, -3.6690, 5.9230

Background



This preview shows how black text looks on a background with the YIQ color 46.8350, -3.6690, 5.9230.

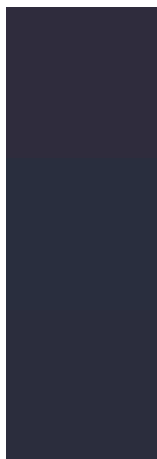


This preview shows how white text looks on a background with the YIQ color 46.8350, -3.6690,

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

46.8350, -3.6690, 5.9230

Protanopia

46.3290, -8.1160, 3.9160

Deuteranopia

46.2260, -6.3280, 4.5520



Tritanopia

46.1570, -1.8800, 1.0320

Trichromacy



Original Color

46.8350, -3.6690, 5.9230

Protanomaly

46.3400, -6.6490, 4.8630

Deuteranomaly

46.5250, -5.7320, 4.7640

Tritanomaly

46.3250, -2.2930, 3.0110

Monochromacy



Original Color

46.8350, -3.6690, 5.9230

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

46.9830, -1.3300, 2.0780

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.8350, -3.6690, 5.9230 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(47, 44, 61)` looks like.

```
.text, #text, p{  
    color:rgb(47, 44, 61)  
}
```

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(47, 44, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 44, 61) }
```

Border

The CSS property to change the border of an element to YIQ 46.8350, -3.6690, 5.9230 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(47, 44, 61) }
```


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

```
.border{ border-color:rgb(47, 44, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 44, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 44, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 44, 61);  
box-shadow:4px 4px 4px 4px rgb(47, 44, 61)  
}
```

Background

The CSS property to change the background color of an element to YIQ 46.8350, -3.6690, 5.9230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 44, 61) }
```

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

```
.background{ background-color: rgb(47, 44,  
61) }
```

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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