

Converting Colors

YIQ(46.8690, -36.5400, -9.5960)

Have a look what the booklet for
YIQ(46.8690, -36.5400, -9.5960)
contains.

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Color

**YIQ(46.8690, -36.5400,
-9.5960)**

Conversions

Conversions Part 1

Format	Color
Hex	063F47
RGB	6, 63, 71
RGB Percent	2%, 25%, 28%
CMY	0.9766, 0.7528, 0.7217
CMYK	0.92, 0.11, 0.00, 0.72
HSL	187°, 84%, 15%
HSV	187°, 92%, 28%
XYZ	2.9896, 4.0506, 6.5790
YIQ	46.8690, -36.5400, -9.5960

Conversions

Conversions Part 2

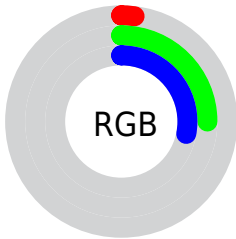
Format	Color
RYB	6, 36, 71
Decimal	409415
CIELab	23.84, -13.88, -9.79
CIELCh	24, 16.991, 215.202
Yxy	4.0506, 0.2195, 0.2974
Android (android.graphics.Color)	4278599495 (0xFF063F47)
YUV	46.8690, 11.8966, -35.8421
Hunter-Lab	20.1261, -8.7056, -5.2930

Details

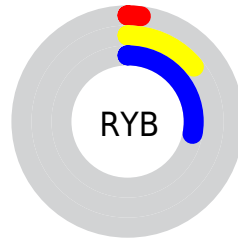
The YIQ color **46.8690, -36.5400, -9.5960** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **30.1310, 36.5400, 9.5960**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **97.5600, -31.1760, -7.6880**, and **16.1060, -15.0380, -2.7980** is the 20% darker color. If you saturate the color by 10%, you get **44.4880, -39.8410, -10.3450**, and if you desaturate by 10%, it is **49.5490, -32.6430, -8.6350**.

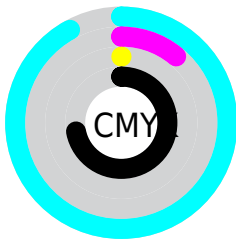
Distribution



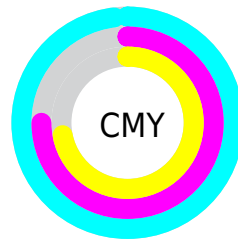
- Red (2%)
- Green (25%)
- Blue (28%)



- Red (2%)
- Yellow (14%)
- Blue (28%)



- Cyan (92%)
- Magenta (11%)
- Yellow (0%)
- Black (72%)



- Cyan (98%)
- Magenta (75%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.8690, -36.5400, -9.5960 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 46.8690, -36.5400, -9.5960 by changing the saturation by 10% instead.

■ 46.8690, -36.5400,
-9.5960

■ 46.8690, -36.5400,
-9.5960

■ 254.4020, -1.1920,
-0.4240

■ 29.6530, -27.0040,
-6.2040

■ 97.5600, -31.1760,
-7.6880

■ 16.1060, -15.0380,
-2.7980

■ 122.6740,
-31.4970, -7.3770

■ 0.0000, 0.0000,
0.0000


■ 149.3750,
-32.0930, -7.5890


■ 176.3750,
-32.0930, -7.5890


■ 204.0760,
-32.6890, -7.8010


■ 232.0760,


-32.6890, -7.8010


 245.7310,
-18.4760, -6.5720


 46.8690, -36.5400,
-9.5960


 46.8690, -36.5400,
-9.5960


 44.4880, -39.8410,
-10.3450

 49.5490, -32.6430,
-8.6350

 52.2290, -28.7460,
-7.6740

 54.9090, -24.8490,
-6.7130

 57.0020, -20.6770,
-5.2290

 59.6820, -16.7800,
-4.2680

■ 62.6610, -12.2870,
-3.0950

■ 65.3410, -8.3900,
-2.1340

■ 68.0210, -4.4930,
-1.1730

■ 70.7010, -0.5960,
-0.2120

Harmonies

Analogous

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



49.3770, -26.4070, -11.5190



46.8690, -36.5400, -9.5960



50.9070, -30.5350, -2.7830

Triad

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



46.8690, -36.5400, -9.5960



58.9400, 9.3970, 11.4210



55.8300, 11.9220, -6.8140

Complementary

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



46.8690, -36.5400, -9.5960



30.1310, 36.5400, 9.5960

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.



56.5260, 18.8900, -0.9340



46.8690, -36.5400, -9.5960



58.0780, 17.6960, 9.6960

Square

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



46.8690, -36.5400, -9.5960



58.2420, -3.2570, 9.4710



57.2970, 21.2730, 5.4410



53.8610, 1.4690, -10.1070

Rectangle

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



46.8690, -36.5400, -9.5960



54.4460, -21.6870, 2.0650



57.2970, 21.2730, 5.4410



55.8520, 14.8560, -4.9200

Sweetspot

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



46.8690, -36.5400, -9.5960



82.7640, -14.0750, -3.7310



45.0670, -20.4430, -31.5070



40.3410, -8.3900, -2.1340



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



46.8690, -36.5400, -9.5960



58.0350, -51.8070, -13.7510



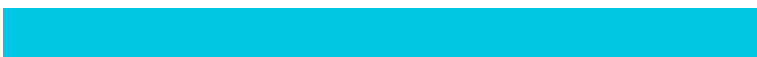
28.0850, -27.7400, 7.1400



34.2170, -2.1090, -0.3250



62.3550, -55.7040, -14.7120



142.6910, -127.5920, -33.4800

Inverse Universe

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



31.9330, 20.4430, 31.5070



36.7420, 28.8310, 44.6950



48.9150, 27.7400, -7.1400



33.5380, 1.4210, 1.7810



39.5190, 31.0770, 48.0450



90.5590, 71.4130, 110.0130

Previews

White Background



This preview shows how the YIQ color 46.8690, -36.5400, -9.5960 looks on a white background.

Color Contrast Check

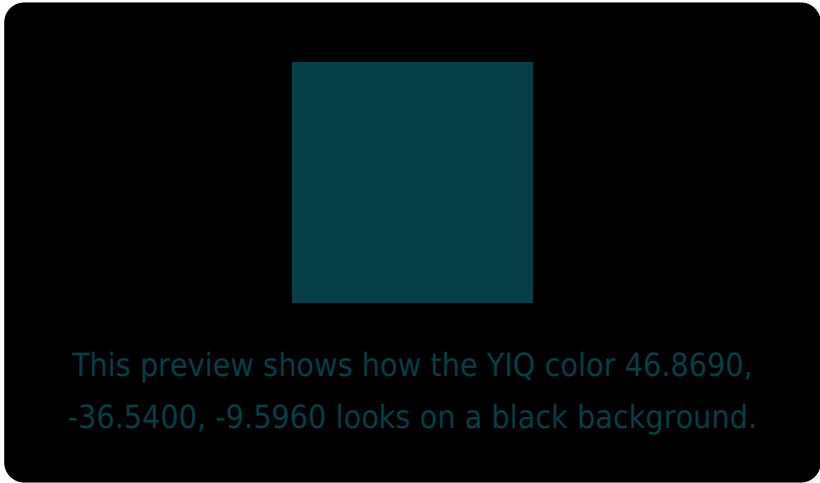
Large Text (above 18pt) WCAG AA ✓ Pass

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

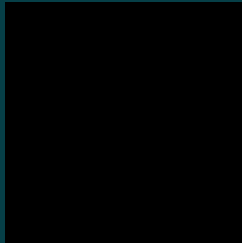
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

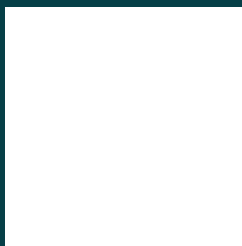
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 46.8690, -36.5400, -9.5960

Background



This preview shows how black text looks on a background with the YIQ color 46.8690, -36.5400, -9.5960.



This preview shows how white text looks on a background with the YIQ color 46.8690, -36.5400,

-9.5960.

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

46.8690, -36.5400, -9.5960

Protanopia

56.9550, -4.1270, 3.2090

Deuteranopia

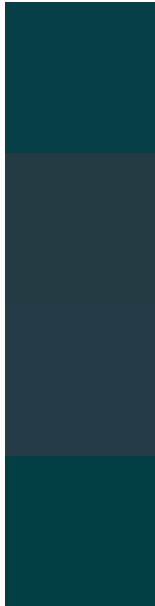
57.3400, -6.6490, 4.8630



Tritanopia

44.7330, -39.1530, -11.8010

Trichromacy



Original Color

46.8690, -36.5400, -9.5960

Protanomaly

53.4480, -16.0010, -1.8650

Deuteranomaly

53.9040, -17.2850, -0.6210

Tritanomaly

45.4450, -38.2820, -11.0660

Monochromacy



Original Color

46.8690, -36.5400, -9.5960

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

47.0630, -13.4790, -3.5190

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.8690, -36.5400, -9.5960 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(6, 63, 71)` looks like.

```
.text, #text, p{  
    color:rgb(6, 63, 71)  
}
```

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(6, 63, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 63, 71) }
```

Border

The CSS property to change the border of an element to YIQ 46.8690, -36.5400, -9.5960 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(6, 63, 71) }
```


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

```
.border{ border-color:rgb(6, 63, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 63, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 63, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 63, 71); box-shadow:4px  
4px 4px 4px rgb(6, 63, 71) }
```

Background

The CSS property to change the background color of an element to YIQ 46.8690, -36.5400, -9.5960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 63, 71) }
```

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

```
.background{ background-color: rgb(6, 63,  
71) }
```

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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