

Converting Colors

YIQ(46.7800, -29.3400,
-18.9400)

Have a look what the booklet for
YIQ(46.7800, -29.3400, -18.9400)
contains.

YIQ(46.7800, -29.3400, -18.9400)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(46.7800, -29.3400,
-18.9400)**

Conversions

Conversions Part 1

Format	Color
Hex	07432F
RGB	7, 67, 47
RGB Percent	3%, 26%, 18%
CMY	0.9727, 0.7372, 0.8158
CMYK	0.90, 0.00, 0.30, 0.74
HSL	160°, 81%, 15%
HSV	160°, 90%, 26%
XYZ	2.6083, 4.2672, 3.3728
YIQ	46.7800, -29.3400, -18.9400

Conversions

Conversions Part 2

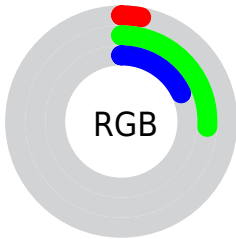
Format	Color
R_{YB}	7, 43, 67
Decimal	475951
CIE Lab	24.54, -23.91, 7.08
CIE LCh	25, 24.934, 163.509
Yxy	4.2672, 0.2545, 0.4164
Android (android.graphics.Color)	4278666031 (0xFF07432F)
YUV	46.7800, 0.1085, -34.8871
Hunter-Lab	20.6573, -13.6115, 4.7796

Details

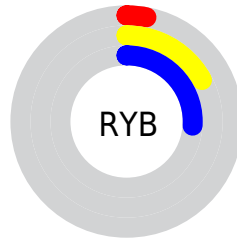
The YIQ color **46.7800, -29.3400, -18.9400** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **27.2200, 29.3400, 18.9400**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **96.9330, -25.3970, -18.8130**, and **14.0880, -6.6000, -12.5520** is the 20% darker color. If you saturate the color by 10%, you get **44.4590, -32.8700, -21.0460**, and if you desaturate by 10%, it is **49.1010, -25.8100, -16.8340**.

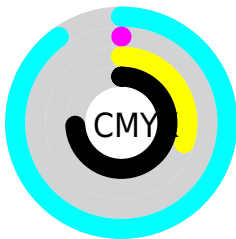
Distribution



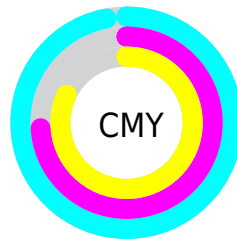
- Red (3%)
- Green (26%)
- Blue (18%)



- Red (3%)
- Yellow (17%)
- Blue (26%)



- Cyan (90%)
- Magenta (0%)
- Yellow (30%)
- Black (74%)



- Cyan (97%)
- Magenta (74%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.7800, -29.3400, -18.9400 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 46.7800, -29.3400, -18.9400 by changing the saturation by 10% instead.

■ 46.7800, -29.3400,
-18.9400

■ 46.7800, -29.3400,
-18.9400

■ 253.5050, -2.9800,
-1.0600

■ 28.7920, -20.4460,
-14.9260

■ 96.9330, -25.3970,
-18.8130

■ 14.6750, -6.8750,
-13.0750

■ 121.9330,
-25.3970, -18.8130

■ 0.0000, 0.0000,
0.0000


■ 148.4060,
-25.3510, -19.6470


■ 175.1070,
-25.9470, -19.8590


■ 202.6940,
-26.2220, -20.3820


■ 231.2810,


-26.4970, -20.9050


 244.6060,
-19.6220, -7.8300


 46.7800, -29.3400,
-18.9400


 46.7800, -29.3400,
-18.9400


 44.4590, -32.8700,
-21.0460

 49.1010, -25.8100,
-16.8340

 51.1230, -22.8760,
-14.9400

 53.5580, -19.6670,
-12.5230

 55.8790, -16.1370,
-10.4170

 57.9010, -13.2030,
-8.5230

■ 60.2220, -9.6730,
-6.4170

■ 62.6570, -6.4640,
-4.0000

■ 64.9780, -2.9340,
-1.8940

■ 67.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



52.9480, -3.3900, -15.6620



46.7800, -29.3400, -18.9400



47.4400, -39.8860, -15.0380

Triad

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



46.7800, -29.3400, -18.9400



56.8470, -21.1380, 8.6380



58.2610, 30.1220, 4.7620

Complementary

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



46.7800, -29.3400, -18.9400



27.2200, 29.3400, 18.9400

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.



58.1610, 27.8280, 13.3000



46.7800, -29.3400, -18.9400



60.3830, 0.9600, 15.6480

Square

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



46.7800, -29.3400, -18.9400



47.6970, -47.4990, -3.7150



60.0060, 18.1990, 17.1030



57.5280, 24.5760, -4.8640

Rectangle

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



46.7800, -29.3400, -18.9400



48.2210, -43.4630, -10.7830



60.0060, 18.1990, 17.1030



58.3690, 29.9380, 8.0980

Sweetspot

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



46.7800, -29.3400, -18.9400



78.9120, -11.7360, -7.5760



48.4990, -3.9840, -26.9280



38.3580, -7.0600, -4.2120



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000

Same Dimension

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



46.7800, -29.3400, -18.9400



57.6810, -42.5430, -27.4630



43.7770, -33.2850, -8.0130



31.9890, -1.4670, -0.9470



64.3490, -47.5400, -30.5160



148.4740, -109.4290, -70.8130

Inverse Universe

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



27.2200, 29.3400, 18.9400



29.3190, 42.5430, 27.4630



30.2230, 33.2850, 8.0130



31.0110, 1.4670, 0.9470



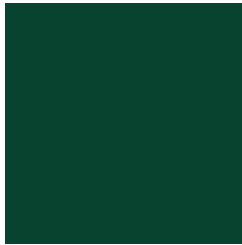
32.6510, 47.5400, 30.5160



75.5260, 109.4290, 70.8130

Previews

White Background



This preview shows how the YIQ color 46.7800, -29.3400, -18.9400 looks on a white background.

Color Contrast Check

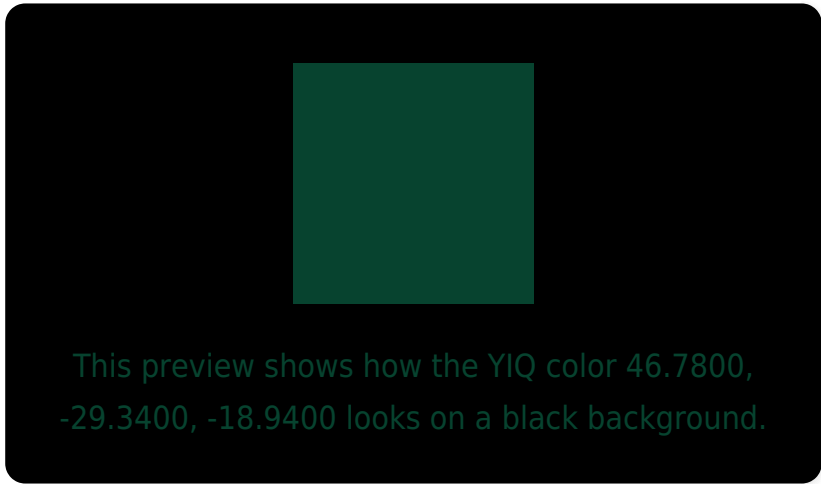
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.7800, -29.3400, -18.9400

Background



This preview shows how black text looks on a background with the YIQ color 46.7800, -29.3400, -18.9400.



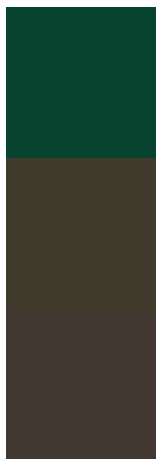
This preview shows how white text looks on a background with the YIQ color 46.7800, -29.3400,

-18.9400.

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

46.7800, -29.3400, -18.9400

Protanopia

57.7850, 7.7950, -3.6050

Deuteranopia

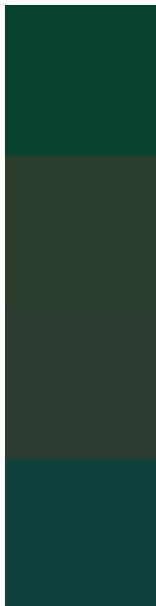
58.4910, 8.8030, 0.1550



Tritanopia

52.3110, -26.0410, -7.1370

Trichromacy



Original Color

46.7800, -29.3400, -18.9400

Protanomaly

53.6800, -5.2710, -9.1030

Deuteranomaly

54.1470, -5.0880, -6.9120

Tritanomaly

50.1920, -27.3240, -11.4200

Monochromacy



Original Color

46.7800, -29.3400, -18.9400

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

46.6240, -10.8650, -6.8410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.7800, -29.3400, -18.9400 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(7, 67, 47)` looks like.

```
.text, #text, p{  
    color:rgb(7, 67, 47)  
}
```

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(7, 67, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 67, 47) }
```

Border

The CSS property to change the border of an element to YIQ 46.7800, -29.3400, -18.9400 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(7, 67, 47) }
```


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

```
.border{ border-color:rgb(7, 67, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 67, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 67, 47); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 67, 47); box-shadow:4px  
4px 4px 4px rgb(7, 67, 47) }
```

Background

The CSS property to change the background color of an element to YIQ 46.7800, -29.3400, -18.9400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 67, 47) }
```

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

```
.background{ background-color: rgb(7, 67,  
47) }
```

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