

Converting Colors

YIQ(44.5850, -16.2700,
-35.5500)

Have a look what the booklet for
YIQ(44.5850, -16.2700, -35.5500)
contains.

YIQ(44.5850, -16.2700, -35.5500)	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(44.5850, -16.2700,
-35.5500)**

Conversions

Conversions Part 1

Format	Color
Hex	074802
RGB	7, 72, 2
RGB Percent	3%, 28%, 1%
CMY	0.9727, 0.7175, 0.9922
CMYK	0.90, 0.00, 0.97, 0.72
HSL	116°, 95%, 15%
HSV	116°, 97%, 28%
XYZ	2.4171, 4.6875, 0.8347
YIQ	44.5850, -16.2700, -35.5500

Conversions

Conversions Part 2

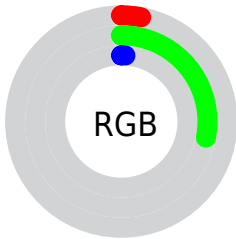
Format	Color
R_{YB}	2, 72, 67
Decimal	477186
CIE _{Lab}	25.83, -33.25, 32.59
CIE _{LCh}	26, 46.553, 135.574
Yxy	4.6875, 0.3044, 0.5904
Android (android.graphics.Color)	4278667266 (0xFF074802)
YUV	44.5850, -20.9944, -32.9620
Hunter-Lab	21.6505, -17.9608, 12.8695

Details

The YIQ color **44.5850, -16.2700, -35.5500** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **29.4150, 16.2700, 35.5500**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.2760, -10.9060, -33.6420**, and **17.0230, -7.9750, -15.1670** is the 20% darker color. If you saturate the color by 10%, you get **43.7590, -16.8200, -36.5960**, and if you desaturate by 10%, it is **47.4760, -14.3450, -31.8890**.

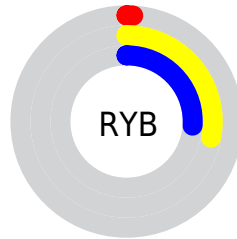
Distribution



Red (3%)

Green (28%)

Blue (1%)



Red (1%)

Yellow (28%)

Blue (26%)

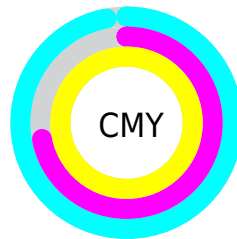


Cyan (90%)

Magenta (0%)

Yellow (97%)

Black (72%)



Cyan (97%)


Magenta (72%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 44.5850, -16.2700, -35.5500 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 44.5850, -16.2700, -35.5500 by changing the saturation by 10% instead.


 44.5850, -16.2700,
-35.5500


 44.5850, -16.2700,
-35.5500

 252.7200, 6.4200,
-6.2200

 28.7630, -13.4750,
-25.6270


 96.2760, -10.9060,
-33.6420

 17.0230, -7.9750,
-15.1670

 122.6350,
-10.5390, -34.7870

 0.0000, 0.0000,
0.0000

 148.4070, -9.8970,
-35.4090

 175.8800, -9.8510,
-36.2430

 203.3530, -9.8050,
-37.0770

 229.4780, -8.6590,

-35.8190

■ 241.3410, -0.3630,
-20.9630

■ 44.5850, -16.2700,
-35.5500

■ 44.5850, -16.2700,
-35.5500

■ 43.7590, -16.8200,
-36.5960

■ 47.4760, -14.3450,
-31.8890

■ 50.0680, -13.0160,
-28.4400

■ 53.0730, -11.4120,
-24.4680

■ 55.9640, -9.4870,
-20.8070

■ 58.5560, -8.1580,
-17.3580

■ 61.4470, -6.2330,
-13.6970

■ 64.3380, -4.3080,
-10.0360

■ 67.0440, -3.3000,
-6.2760

■ 69.9350, -1.3750,
-2.6150

Harmonies

Analogous

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



55.7960, 17.2890, -21.4870



44.5850, -16.2700, -35.5500



48.8130, -34.1070, -26.1630

Triad

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



44.5850, -16.2700, -35.5500



55.9100, -60.9800, 3.8200



51.0000, 53.8670, 31.4910

Complementary

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



44.5850, -16.2700, -35.5500



29.4150, 16.2700, 35.5500

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.



55.2450, 37.3600, 38.8000



44.5850, -16.2700, -35.5500



49.4530, -57.9550, 9.5730

Square

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



44.5850, -16.2700, -35.5500



56.6790, -56.2560, -4.7040



62.7230, 3.4790, 30.5750



55.0590, 54.2380, 8.2380

Rectangle

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



44.5850, -16.2700, -35.5500



52.2500, -42.4070, -18.9110



62.7230, 3.4790, 30.5750



50.4930, 51.1610, 36.4810

Sweetspot

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



44.5850, -16.2700, -35.5500



83.4470, -6.2330, -13.6970



60.4980, 24.1200, -18.6320



41.5770, -3.4830, -8.4670



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.



44.5850, -16.2700, -35.5500



57.2710, -21.6780, -47.6780



46.3960, -28.5590, -27.5910



34.3480, -1.1000, -2.0920



60.2060, -23.0530, -50.2930



138.0330, -52.8890, -115.3290

Inverse Universe

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



29.4150, 16.2700, 35.5500



37.0280, 22.2740, 47.8900



27.6040, 28.5590, 27.5910



33.3530, 0.5040, 1.8800



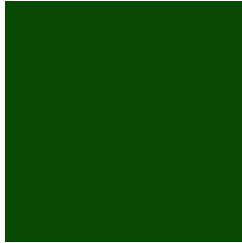
38.7940, 23.0530, 50.2930



88.9670, 52.8890, 115.3290

Previews

White Background



This preview shows how the YIQ color 44.5850, -16.2700, -35.5500 looks on a white background.

Color Contrast Check

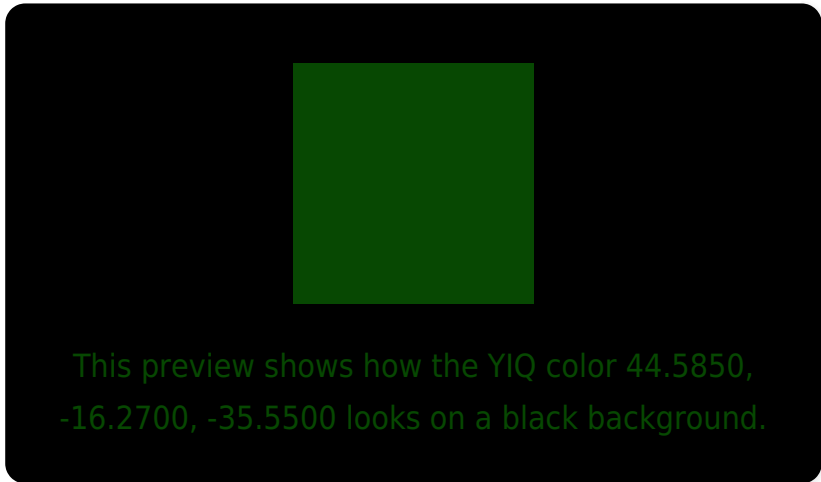
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.5850, -16.2700, -35.5500

Background



This preview shows how black text looks on a background with the YIQ color 44.5850, -16.2700, -35.5500.



This preview shows how white text looks on a background with the YIQ color 44.5850, -16.2700,

-35.5500.

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

44.5850, -16.2700, -35.5500

Protanopia

57.0250, 24.0740, -17.7980

Deuteranopia

58.8930, 24.8060, -9.0340



Tritanopia

56.8060, -23.0610, -6.0770

Trichromacy



Original Color

44.5850, -16.2700, -35.5500

Protanomaly

52.6100, 8.9450, -24.4550

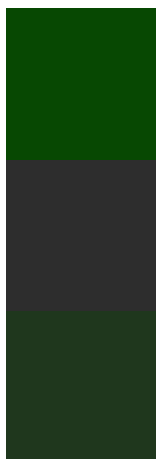
Deuteranomaly

53.7830, 10.1360, -18.5040

Tritanomaly

52.4390, -20.9500, -16.8060

Monochromacy



Original Color

44.5850, -16.2700, -35.5500

Achromatopsia

45.0000, -0.0000, -0.0000

Achromatomaly

44.8600, -5.9580, -13.1740

CSS Examples

Text

The CSS property to change the color of the text to YIQ 44.5850, -16.2700, -35.5500 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, 72, 2)` looks like.

```
.text, #text, p{  
    color:rgb(7, 72, 2)  
}
```

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, 72, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 72, 2) }
```

Border

The CSS property to change the border of an element to YIQ 44.5850, -16.2700, -35.5500 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, 72, 2) }
```


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

```
.border{ border-color:rgb(7, 72, 2) }
```

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

Here you see how a box with a 4 pixel rgb(7, 72, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 72, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 72, 2); box-shadow:4px  
4px 4px 4px rgb(7, 72, 2) }
```

Background

The CSS property to change the background color of an element to YIQ 44.5850, -16.2700, -35.5500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 72, 2) }
```

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

```
.background{ background-color: rgb(7, 72,  
2) }
```

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