

Converting Colors

YIQ(85.2290, -11.5510,
-16.4390)

Have a look what the booklet for
YIQ(85.2290, -11.5510, -16.4390)
contains.

| | |
|--|----|
| YIQ(85.2290, -11.5510, -16.4390) | 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(85.2290, -11.5510,
-16.4390)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 406346 |
| RGB | 64, 99, 70 |
| RGB Percent | 25%, 39%, 27% |
| CMY | 0.7491, 0.6117, 0.7255 |
| CMYK | 0.35, 0.00, 0.29, 0.61 |
| HSL | 130°, 21%, 32% |
| HSV | 130°, 35%, 39% |
| XYZ | 7.6812, 10.4577, 7.4071 |
| YIQ | 85.2290, -11.5510, -16.4390 |

Conversions

Conversions Part 2

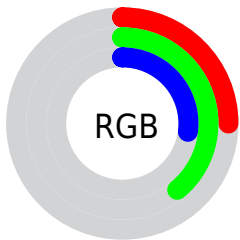
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 64, 94, 99 |
| Decimal | 4219718 |
| CIELab | 38.65, -19.40, 12.58 |
| CIELCh | 39, 23.119, 147.026 |
| Yxy | 10.4577, 0.3007, 0.4094 |
| Android (android.graphics.Color) | 4282409798 (0xFF406346) |
| YUV | 85.2290, -7.5079, -18.6178 |
| Hunter-Lab | 32.3384, -14.1937, 9.0566 |

Details

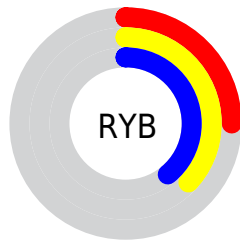
The YIQ color **85.2290, -11.5510, -16.4390** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **77.7710, 11.5510, 16.4390**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **135.2890, -11.7800, -17.7960**, and **38.8700, -11.9180, -15.2940** is the 20% darker color. If you saturate the color by 10%, you get **81.3270, -14.9430, -21.0470**, and if you desaturate by 10%, it is **89.1310, -8.1590, -11.8310**.

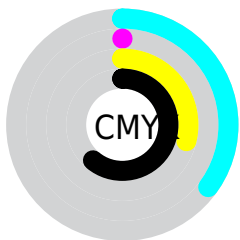
Distribution



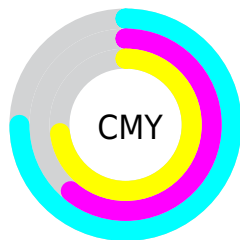
- Red (25%)
- Green (39%)
- Blue (27%)



- Red (25%)
- Yellow (37%)
- Blue (39%)



- Cyan (35%)
- Magenta (0%)
- Yellow (29%)
- Black (61%)



- Cyan (75%)
- Magenta (61%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 85.2290, -11.5510, -16.4390 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 85.2290, -11.5510, -16.4390 by changing the saturation by 10% instead.

85.2290, -11.5510,
-16.4390

85.2290, -11.5510,
-16.4390

255.0000, -0.0000,
-0.0000

61.7560, -11.5970,
-15.6050

135.2890,
-11.7800, -17.7960

38.8700, -11.9180,
-15.2940

161.8760,
-12.0550, -18.3190

18.1970, -8.5250,
-16.2130

188.8760,
-12.0550, -18.3190

0.0000, 0.0000,
0.0000

217.0500,
-12.6050, -19.3650

241.5280,
-10.9550, -16.2270

253.5050, -2.9800,

-1.0600

■ 85.2290, -11.5510,
-16.4390

■ 85.2290, -11.5510,
-16.4390

■ 81.3270, -14.9430,
-21.0470

■ 89.1310, -8.1590,
-11.8310

■ 77.4250, -18.3350,
-25.6550

■ 93.0330, -4.7670,
-7.2230

■ 73.4090, -21.4060,
-30.5740

■ 97.0490, -1.6960,
-2.3040

■ 69.5070, -24.7980,
-35.1820

■ 100.9510, 1.6960,
2.3040

■ 65.6050, -28.1900,
-39.7900

■ 104.5540, 4.4920,
6.7000

■ 62.0020, -30.9860,
-44.1860

■ 108.4560, 7.8840,
11.3080

■ 60.0510, -32.6820,
-46.4900

■ 112.3580, 11.2760,
15.9160

■ 116.3740, 14.3470,
20.8350

■ 120.2760, 17.7390,
25.4430

Harmonies

Analogous

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



87.9770, 6.8340, -13.7260



85.2290, -11.5510, -16.4390



81.2790, -32.1830, -16.9750

Triad

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



85.2290, -11.5510, -16.4390



87.4220, -30.3070, 4.1010



92.3090, 30.1670, 9.4550

Complementary

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



85.2290, -11.5510, -16.4390



77.7710, 11.5510, 16.4390

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.



93.2900, 23.1510, 15.4630



85.2290, -11.5510, -16.4390



92.4140, -9.4930, 12.3550

Square

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



85.2290, -11.5510, -16.4390



80.4040, -48.2320, -6.9520



93.5150, 9.3960, 16.9480



91.4410, 29.4350, 0.6910

Rectangle

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



85.2290, -11.5510, -16.4390



77.9770, -45.8920, -16.3240



93.5150, 9.3960, 16.9480



92.7050, 29.1120, 12.0560

Sweetspot

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



85.2290, -11.5510, -16.4390



122.1470, -5.0880, -6.9120



93.2160, 7.6590, -12.1570



60.5110, -3.1170, -4.0850



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000

Same Dimension

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



85.2290, -11.5510, -16.4390



106.7240, -17.7390, -25.4430



87.1670, -17.0080, -11.1520



46.3480, -1.1000, -2.0920



67.9100, -36.8990, -52.6670



145.5540, -79.1610, -112.7690

Inverse Universe

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



77.7710, 11.5510, 16.4390



95.1620, 18.0600, 25.1320



75.8330, 17.0080, 11.1520



45.6520, 1.1000, 2.0920



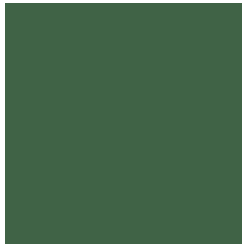
44.0900, 36.8990, 52.6670



94.4460, 79.1610, 112.7690

Previews

White Background



This preview shows how the YIQ color 85.2290, -11.5510, -16.4390 looks on a white background.

Color Contrast Check

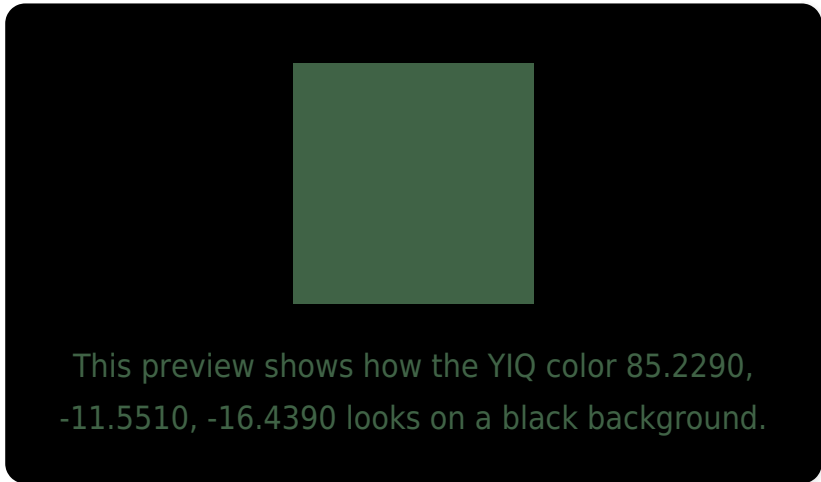
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

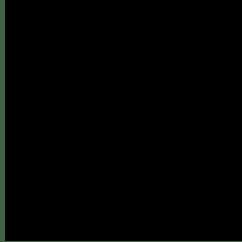
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 85.2290, -11.5510, -16.4390

Background



This preview shows how black text looks on a background with the YIQ color 85.2290, -11.5510, -16.4390.



This preview shows how white text looks on a background with the YIQ color 85.2290, -11.5510,

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

85.2290, -11.5510, -16.4390

Protanopia

89.9440, 11.6010, -6.5030

Deuteranopia

91.0850, 15.8180, -0.3260



Tritanopia

88.3230, -17.1470, -3.1230

Trichromacy



Original Color

85.2290, -11.5510, -16.4390

Protanomaly

88.2310, 3.3030, -10.3050

Deuteranomaly

88.8340, 6.0990, -5.9090

Tritanomaly

86.9440, -14.7620, -7.8020

Monochromacy



Original Color

85.2290, -11.5510, -16.4390

Achromatopsia

85.0000, -0.0000, 0.0000

Achromatomaly

84.9730, -4.5380, -5.8660

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.2290, -11.5510, -16.4390 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(64, 99, 70)` looks like.

```
.text, #text, p{  
    color:rgb(64, 99, 70)  
}
```

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(64, 99, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 99, 70) }
```

Border

The CSS property to change the border of an element to YIQ 85.2290, -11.5510, -16.4390 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(64, 99, 70) }
```


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

```
.border{ border-color:rgb(64, 99, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 99, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 99, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 99, 70);  
box-shadow:4px 4px 4px 4px rgb(64, 99, 70)  
}
```

Background

The CSS property to change the background color of an element to YIQ 85.2290, -11.5510, -16.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 99, 70) }
```

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

```
.background{ background-color: rgb(64, 99,  
70) }
```

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