

Converting Colors

YIQ(64.6850, -39.1980,
-16.4940)

Have a look what the booklet for
YIQ(64.6850, -39.1980, -16.4940)
contains.

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Color

**YIQ(64.6850, -39.1980,
-16.4940)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 115650 |
| RGB | 17, 86, 80 |
| RGB Percent | 7%, 34%, 31% |
| CMY | 0.9335, 0.6626, 0.6864 |
| CMYK | 0.80, 0.00, 0.07, 0.66 |
| HSL | 175°, 67%, 20% |
| HSV | 175°, 80%, 34% |
| XYZ | 5.0071, 7.3576, 8.7382 |
| YIQ | 64.6850, -39.1980, -16.4940 |

Conversions

Conversions Part 2

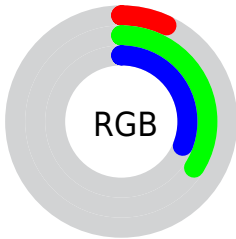
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 17, 53, 86 |
| Decimal | 1136208 |
| CIE Lab | 32.61, -22.08, -2.46 |
| CIE LCh | 33, 22.217, 186.363 |
| Yxy | 7.3576, 0.2373, 0.3487 |
| Android (android.graphics.Color) | 4279326288 (0xFF115650) |
| YUV | 64.6850, 7.5503, -41.8197 |
| Hunter-Lab | 27.1249, -14.5188, -0.1127 |

Details

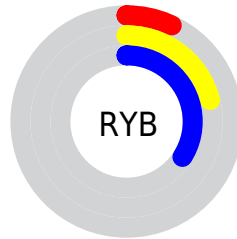
The YIQ color **64.6850, -39.1980, -16.4940** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **38.3150, 39.1980, 16.4940**, and the grayscale version is **65.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **116.3650, -35.3010, -15.5330**, and **27.5840, -22.5560, -9.7240** is the 20% darker color. If you saturate the color by 10%, you get **61.8800, -44.2410, -18.7130**, and if you desaturate by 10%, it is **67.4900, -34.1550, -14.2750**.

Distribution



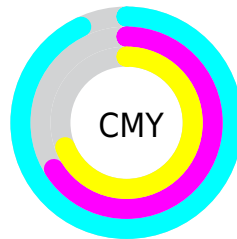
- Red (7%)
- Green (34%)
- Blue (31%)



- Red (7%)
- Yellow (21%)
- Blue (34%)



- Cyan (80%)
- Magenta (0%)
- Yellow (7%)
- Black (66%)



- Cyan (93%)
- Magenta (66%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 64.6850, -39.1980, -16.4940 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 64.6850, -39.1980, -16.4940 by changing the saturation by 10% instead.

■ 64.6850, -39.1980,
-16.4940

■ 64.6850, -39.1980,
-16.4940

■ 255.0000, -0.0000,
-0.0000

■ 42.8920, -35.3470,
-14.6990

■ 116.3650,
-35.3010, -15.5330

■ 27.5840, -22.5560,
-9.7240

■ 143.2510,
-34.9800, -15.8440

■ 11.5750, -9.1690,
-4.5370

■ 169.9520,
-35.5760, -16.0560


■ 0.0000, 0.0000,
0.0000


■ 197.5390,
-35.8510, -16.5790


■ 225.6530,
-36.1720, -16.2680


■ 241.2460,


-27.4160, -9.7520


 249.9170,
-10.1320, -3.6040


 64.6850, -39.1980,
-16.4940


 64.6850, -39.1980,
-16.4940


 61.8800, -44.2410,
-18.7130


 67.4900, -34.1550,
-14.2750

 59.3740, -48.6880,
-20.7200

 69.8820, -29.3870,
-12.5790

 72.6870, -24.3440,
-10.3600

 75.1930, -19.8970,
-8.3530

 77.9980, -14.8540,
-6.1340

■ 80.6890, -9.4900,
-4.2260

■ 83.1950, -5.0430,
-2.2190

■ 86.0000, -0.0000,
-0.0000

■ 88.5060, 4.4470,
2.0070

Harmonies

Analogous

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



70.1190, -17.0530, -15.8450



64.6850, -39.1980, -16.4940



60.9530, -54.5120, -14.2880

Triad

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



64.6850, -39.1980, -16.4940



78.7630, -3.1660, 13.3300



76.7070, 25.6300, -1.9380

Complementary

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



64.6850, -39.1980, -16.4940



38.3150, 39.1980, 16.4940

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.



77.2440, 28.7920, 6.8400



64.6850, -39.1980, -16.4940



79.0270, 13.7060, 15.9300

Square

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



64.6850, -39.1980, -16.4940



74.8960, -22.8340, 6.3340



78.3070, 24.4810, 13.3850



74.9890, 15.7280, -9.7120

Rectangle

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



64.6850, -39.1980, -16.4940



63.9800, -49.9740, -8.4220



78.3070, 24.4810, 13.3850



76.7720, 27.0050, 0.6770

Sweetspot

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



64.6850, -39.1980, -16.4940



103.6990, -15.4500, -6.3460



59.5960, -14.8030, -34.6030



51.1020, -9.2150, -3.7030



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

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



64.6850, -39.1980, -16.4940



78.6820, -61.4790, -25.6950



48.9330, -33.4240, 0.0160



41.8040, -2.3840, -0.8480



73.9810, -60.8830, -25.4830



162.3410, -133.3190, -56.3510

Inverse Universe

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



38.3150, 39.1980, 16.4940



37.4320, 61.1580, 26.0060



54.0670, 33.4240, -0.0160



40.1960, 2.3840, 0.8480



33.0190, 60.8830, 25.4830



72.6590, 133.3190, 56.3510

Previews

White Background



This preview shows how the YIQ color 64.6850, -39.1980, -16.4940 looks on a white background.

Color Contrast Check

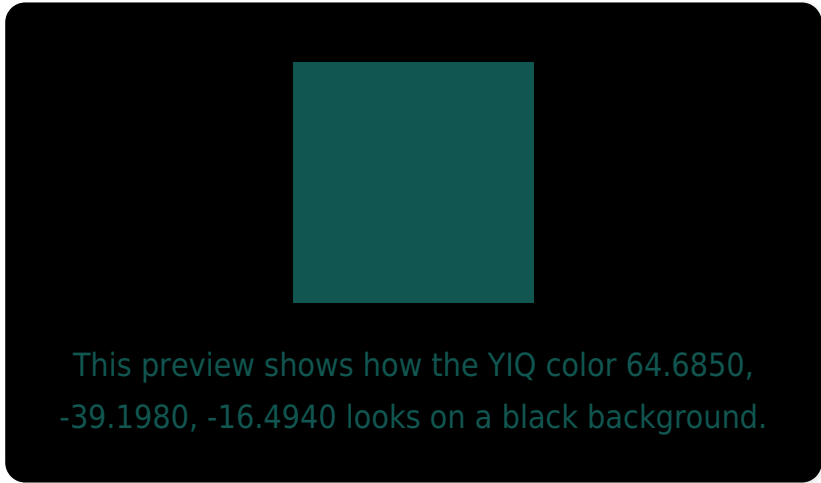
Large Text (above 18pt) WCAG AA ✓ Pass

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

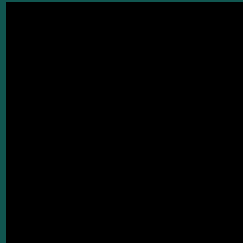
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 64.6850, -39.1980, -16.4940

Background



This preview shows how black text looks on a background with the YIQ color 64.6850, -39.1980, -16.4940.



This preview shows how white text looks on a background with the YIQ color 64.6850, -39.1980,

-16.4940.

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

64.6850, -39.1980, -16.4940

Protanopia

76.3700, 1.8340, -0.1980

Deuteranopia

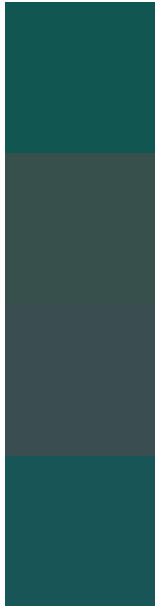
77.1190, 1.2830, 4.2830



Tritanopia

67.4560, -36.8150, -10.1190

Trichromacy



Original Color

64.6850, -39.1980, -16.4940

Protanomaly

72.3680, -13.0200, -6.3320

Deuteranomaly

72.4760, -13.2040, -2.9960

Tritanomaly

66.6900, -37.5940, -12.5220

Monochromacy



Original Color

64.6850, -39.1980, -16.4940

Achromatopsia

65.0000, -0.0000, -0.0000

Achromatomaly

65.1830, -13.9370, -6.2330

CSS Examples

Text

The CSS property to change the color of the text to YIQ 64.6850, -39.1980, -16.4940 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(17, 86, 80)` looks like.

```
.text, #text, p{  
    color:rgb(17, 86, 80)  
}
```

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(17, 86, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 86, 80) }
```

Border

The CSS property to change the border of an element to YIQ 64.6850, -39.1980, -16.4940 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(17, 86, 80) }
```


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

```
.border{ border-color:rgb(17, 86, 80) }
```

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

Here you see how a box with a 4 pixel rgb(17, 86, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 86, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 86, 80);  
box-shadow:4px 4px 4px 4px rgb(17, 86, 80)  
}
```

Background

The CSS property to change the background color of an element to YIQ 64.6850, -39.1980, -16.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 86, 80) }
```

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

```
.background{ background-color: rgb(17, 86,  
80) }
```

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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