

# Converting Colors

YIQ(69.1870, -55.2910,  
-16.6910)

Have a look what the booklet for  
YIQ(69.1870, -55.2910, -16.6910)  
contains.

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# Color

**YIQ(69.1870, -55.2910,  
-16.6910)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	065F66
RGB	6, 95, 102
RGB Percent	2%, 37%, 40%
CMY	0.9766, 0.6273, 0.6002
CMYK	0.94, 0.07, 0.00, 0.60
HSL	184°, 89%, 21%
HSV	184°, 94%, 40%
XYZ	6.5655, 9.1877, 13.9828
YIQ	69.1870, -55.2910, -16.6910

# Conversions

## Conversions Part 2

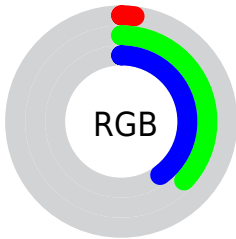
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 52, 102
Decimal	417638
CIELab	36.34, -20.46, -10.66
CIELCh	36, 23.073, 207.509
Yxy	9.1877, 0.2208, 0.3090
Android (android.graphics.Color)	4278607718 (0xFF065F66)
YUV	69.1870, 16.1768, -55.4150
Hunter-Lab	30.3112, -14.3813, -6.1331

# Details

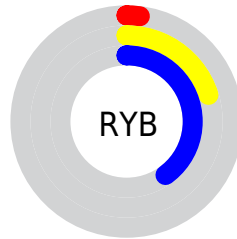
The YIQ color **69.1870, -55.2910, -16.6910** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **38.8130, 55.2910, 16.6910**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **125.2700, -45.1590, -13.0870**, and **34.4460, -30.8550, -7.9990** is the 20% darker color. If you saturate the color by 10%, you get **67.3930, -58.8670, -17.9630**, and if you desaturate by 10%, it is **72.7640, -49.6060, -15.0940**.

# Distribution



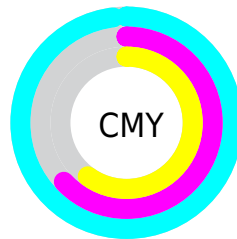
- Red (2%)
- Green (37%)
- Blue (40%)



- Red (2%)
- Yellow (20%)
- Blue (40%)



- Cyan (94%)
- Magenta (7%)
- Yellow (0%)
- Black (60%)



- Cyan (98%)
- Magenta (63%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 69.1870, -55.2910, -16.6910 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 69.1870, -55.2910, -16.6910 by changing the saturation by 10% instead.



69.1870, -55.2910,  
-16.6910

69.1870, -55.2910,  
-16.6910

255.0000, -0.0000,  
-0.0000

50.5690, -44.5630,  
-12.8750

125.2700,  
-45.1590, -13.0870

34.4460, -30.8550,  
-7.9990

152.2700,  
-45.1590, -13.0870

20.8990, -18.8890,  
-4.5930

179.5690,  
-44.5630, -12.8750

1.2540, -3.5310,  
3.4210

207.2700,  
-45.1590, -13.0870

0.0000, 0.0000,  
0.0000

234.0700,  
-41.7200, -14.8400

242.4420,

-25.0320, -8.9040

251.1130, -7.7480,  
-2.7560

69.1870, -55.2910,  
-16.6910

69.1870, -55.2910,  
-16.6910

67.3930, -58.8670,  
-17.9630

72.7640, -49.6060,  
-15.0940

76.3410, -43.9210,  
-13.4970

79.6300, -37.3650,  
-11.1650

83.2070, -31.6800,  
-9.5680

86.7840, -25.9950,  
-7.9710

■ 89.7740, -20.0350,  
-5.8510

■ 93.3510, -14.3500,  
-4.2540

■ 97.2270, -8.0690,  
-2.4450

■ 100.8040, -2.3840,  
-0.8480

# Harmonies

## Analogous

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



75.0940, -33.1000, -16.8760



69.1870, -55.2910, -16.6910



74.3930, -49.6990, -7.8990

# Triad

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



69.1870, -55.2910, -16.6910



88.1020, 9.1210, 16.4250



84.3810, 20.4960, -8.0160

# Complementary

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



69.1870, -55.2910, -16.6910



38.8130, 55.2910, 16.6910

# 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.



85.5550, 29.1140, 1.0020



69.1870, -55.2910, -16.6910



87.2900, 23.1510, 15.4630

# Square

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



69.1870, -55.2910, -16.6910



86.4140, -9.4930, 12.3550



86.3090, 30.1670, 9.4550



82.6780, 6.2380, -13.9380



# Rectangle

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



69.1870, -55.2910, -16.6910



80.0790, -36.7710, 0.1010



86.3090, 30.1670, 9.4550



85.1150, 24.3010, -5.3870

# Sweetspot

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



69.1870, -55.2910, -16.6910



119.8770, -21.8230, -6.4870



63.0360, -28.3260, -48.3420



58.8350, -12.8370, -4.1410



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



69.1870, -55.2910, -16.6910



87.3630, -76.5180, -22.9660



41.5980, -42.3660, 7.8900



49.5050, -2.9800, -1.0600



75.3320, -66.0650, -19.6730



159.6630, -139.5570, -42.4130



# Inverse Universe

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



44.8500, 28.6470, 48.0310



53.7890, 39.7850, 66.4490



66.4020, 42.3660, -7.8900



48.0650, 1.3750, 2.6150



46.4690, 34.5140, 57.3460



98.0080, 72.0070, 121.2790



# Previews

## White Background



This preview shows how the YIQ color 69.1870, -55.2910, -16.6910 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



This preview shows how the YIQ color 69.1870, -55.2910, -16.6910 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

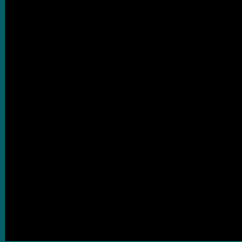
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

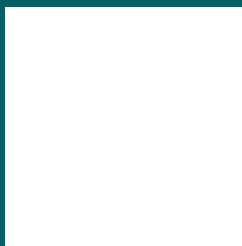
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 69.1870, -55.2910, -16.6910

## Background



This preview shows how black text looks on a background with the YIQ color 69.1870, -55.2910, -16.6910.



This preview shows how white text looks on a background with the YIQ color 69.1870, -55.2910,

-16.6910.

# 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

69.1870, -55.2910, -16.6910

### Protanopia

85.8410, -3.8060, 2.8980

### Deuteranopia

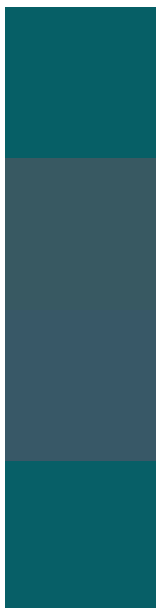
86.2800, -6.4200, 6.2200



## Tritanopia

69.8990, -54.4200, -15.9560

# Trichromacy



## Original Color

69.1870, -55.2910, -16.6910

## Protanomaly

80.1590, -22.5570, -4.1970

## Deuteranomaly

80.1420, -23.8870, -2.1190

## Tritanomaly

69.6000, -55.0160, -16.1680

# Monochromacy



## Original Color

69.1870, -55.2910, -16.6910

## Achromatopsia

69.0000, -0.0000, -0.0000

## Achromatomaly

68.7740, -20.0350, -5.8510

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 69.1870, -55.2910, -16.6910 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, 95, 102)` looks like.

```
.text, #text, p{  
    color:rgb(6, 95, 102)  
}
```

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, 95, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 95, 102) }
```

## Border

The CSS property to change the border of an element to YIQ 69.1870, -55.2910, -16.6910 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, 95, 102) }
```



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

```
.border{ border-color:rgb(6, 95, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 95, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 95, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 95, 102);  
box-shadow:4px 4px 4px 4px rgb(6, 95, 102)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 69.1870, -55.2910, -16.6910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 95, 102) }
```

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

```
.background{ background-color: rgb(6, 95,  
102) }
```

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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