

# Converting Colors

YIQ(80.0730, -19.4390, -5.6390)

Have a look what the booklet for  
YIQ(80.0730, -19.4390, -5.6390)  
contains.

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# Color

**YIQ(80.0730, -19.4390,  
-5.6390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3A595C
RGB	58, 89, 92
RGB Percent	23%, 35%, 36%
CMY	0.7726, 0.6509, 0.6393
CMYK	0.37, 0.03, 0.00, 0.64
HSL	185°, 23%, 29%
HSV	185°, 37%, 36%
XYZ	7.2482, 8.8183, 11.4406
YIQ	80.0730, -19.4390, -5.6390

# Conversions

## Conversions Part 2

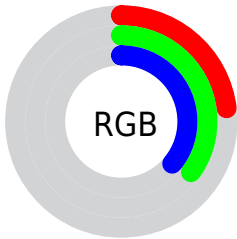
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 74, 92
Decimal	3823964
CIELab	35.63, -10.52, -5.35
CIElCh	36, 11.805, 206.977
Yxy	8.8183, 0.2635, 0.3206
Android (android.graphics.Color)	4282014044 (0xFF3A595C)
YUV	80.0730, 5.8800, -19.3580
Hunter-Lab	29.6956, -8.3983, -2.0554

# Details

The YIQ color **80.0730, -19.4390, -5.6390** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **69.9270, 19.4390, 5.6390**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **129.7740, -20.0350, -5.8510**, and **33.7740, -20.0350, -5.8510** is the 20% darker color. If you saturate the color by 10%, you get **76.7950, -24.5280, -7.0240**, and if you desaturate by 10%, it is **83.3510, -14.3500, -4.2540**.

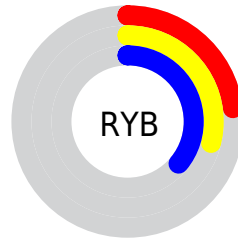
# Distribution



Red (23%)

Green (35%)

Blue (36%)



Red (23%)

Yellow (29%)

Blue (36%)

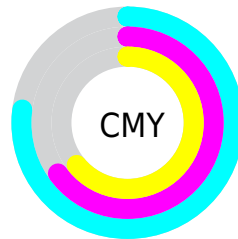


Cyan (37%)

Magenta (3%)

Yellow (0%)

Black (64%)



Cyan (77%)

Magenta (65%)

Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 80.0730, -19.4390, -5.6390 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 80.0730, -19.4390, -5.6390 by changing the saturation by 10% instead.



80.0730, -19.4390,  
-5.6390

80.0730, -19.4390,  
-5.6390

255.0000, -0.0000,  
-0.0000

56.9590, -19.1180,  
-5.9500

129.7740,  
-20.0350, -5.8510

33.7740, -20.0350,  
-5.8510

155.8880,  
-20.3560, -5.5400

17.0520, -14.9460,  
-4.4660

183.1760,  
-21.2270, -6.2750

0.0000, 0.0000,  
0.0000

210.2900,  
-21.5480, -5.9640

238.8770,  
-21.8230, -6.4870

251.4120, -7.1520,

-2.5440

■ 80.0730, -19.4390,  
-5.6390

■ 80.0730, -19.4390,  
-5.6390

■ 76.7950, -24.5280,  
-7.0240

■ 83.3510, -14.3500,  
-4.2540

■ 73.5170, -29.6170,  
-8.4090

■ 86.6290, -9.2610,  
-2.8690

■ 70.5270, -35.5770,  
-10.5290

■ 89.6190, -3.3010,  
-0.7490

■ 67.2490, -40.6660,  
-11.9140

■ 92.8970, 1.7880,  
0.6360

■ 63.9710, -45.7550,  
-13.2990

■ 96.1750, 6.8770,  
2.0210

■ 60.6930, -50.8440,  
-14.6840

■ 99.4530, 11.9660,  
3.4060

■ 59.7960, -52.6320,  
-15.3200

■ 102.7310, 17.0550,  
4.7910

■ 105.7210, 23.0150,  
6.9110

■ 108.9990, 28.1040,  
8.2960

# Harmonies

## Analogous

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



80.1290, -13.8450, -7.9010



80.0730, -19.4390, -5.6390



81.4800, -19.0270, -2.0910

# Triad

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



80.0730, -19.4390, -5.6390



85.4940, 4.7210, 8.0570



83.6390, 11.1420, -3.6900

# Complementary

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



80.0730, -19.4390, -5.6390



69.9270, 19.4390, 5.6390

# 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.



84.6120, 15.7720, 0.5080



80.0730, -19.4390, -5.6390



85.3870, 12.3320, 7.7880

# Square

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



80.0730, -19.4390, -5.6390



84.7640, -4.9070, 6.3330



85.2470, 15.5420, 4.6780



82.6380, 3.7150, -6.7570



# Rectangle

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



80.0730, -19.4390, -5.6390



82.4420, -15.8640, 1.1600



85.2470, 15.5420, 4.6780



84.0630, 12.8840, -2.2200

# Sweetspot

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



80.0730, -19.4390, -5.6390



115.5260, -7.4730, -2.2330



78.3000, -10.3130, -16.8490



58.6080, -4.7680, -1.6960



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000



# Same Dimension

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



80.0730, -19.4390, -5.6390



101.2180, -30.2130, -8.6210



70.0940, -14.7640, 3.2520



43.9180, -2.7050, -0.5370



71.2400, -62.8100, -18.0900



153.8100, -135.4770, -39.2610



# Inverse Universe

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



71.7000, 10.3130, 16.8490



88.3190, 16.1800, 26.1640



79.9060, 14.7640, -3.2520



42.9510, 1.6960, 2.3040



44.2900, 33.4600, 54.4200

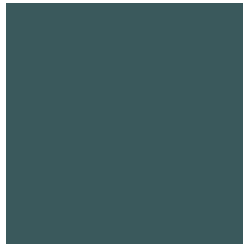


95.4870, 71.9160, 117.4200



# Previews

## White Background



This preview shows how the YIQ color 80.0730, -19.4390, -5.6390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

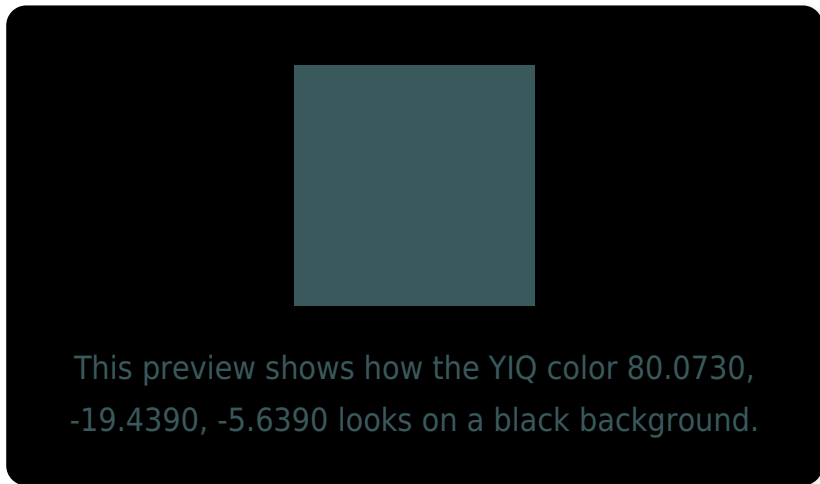
Any Text WCAG AA ✓ Pass

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

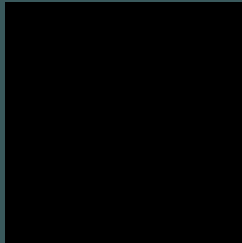
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 80.0730, -19.4390, -5.6390**

## **Background**



This preview shows how black text looks on a background with the YIQ color 80.0730, -19.4390, -5.6390.



This preview shows how white text looks on a background with the YIQ color 80.0730, -19.4390,

-5.6390.

# 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

80.0730, -19.4390, -5.6390

### Protanopia

83.8690, -1.0090, 1.7670

### Deuteranopia

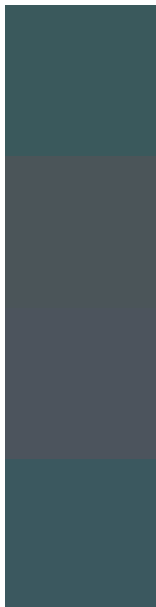
84.2760, -0.5970, 5.3150



## Tritanopia

80.2410, -19.8520, -3.6600

# Trichromacy



## Original Color

80.0730, -19.4390, -5.6390

## Protanomaly

82.4660, -7.2440, -0.8760

## Deuteranomaly

82.6340, -7.6570, 1.1030

## Tritanomaly

80.1270, -19.5310, -3.9710

# Monochromacy



## Original Color

80.0730, -19.4390, -5.6390

## Achromatopsia

80.0000, 0.0000, -0.0000

## Achromatomaly

79.8250, -6.8770, -2.0210

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 80.0730, -19.4390, -5.6390 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(58, 89, 92)` looks like.

```
.text, #text, p{  
    color:rgb(58, 89, 92)  
}
```

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(58, 89, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 89, 92) }
```

## Border

The CSS property to change the border of an element to YIQ 80.0730, -19.4390, -5.6390 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(58, 89, 92) }
```



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

```
.border{ border-color:rgb(58, 89, 92) }
```

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

Here you see how a box with a 4 pixel rgb(58, 89, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 89, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 89, 92);  
box-shadow:4px 4px 4px 4px rgb(58, 89, 92)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 80.0730, -19.4390, -5.6390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 89, 92) }
```

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

```
.background{ background-color: rgb(58, 89,  
92) }
```

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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