

Converting Colors

YIQ(67.8830, -39.1550, -0.7470)

Have a look what the booklet for
YIQ(67.8830, -39.1550, -0.7470)
contains.

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Color

**YIQ(67.8830, -39.1550,
-0.7470)**

Conversions

Conversions Part 1

Format	Color
Hex	1E4F6E
RGB	30, 79, 110
RGB Percent	12%, 31%, 43%
CMY	0.8824, 0.6901, 0.5688
CMYK	0.73, 0.28, 0.00, 0.57
HSL	203°, 57%, 27%
HSV	203°, 73%, 43%
XYZ	6.1442, 6.9954, 15.7652
YIQ	67.8830, -39.1550, -0.7470

Conversions

Conversions Part 2

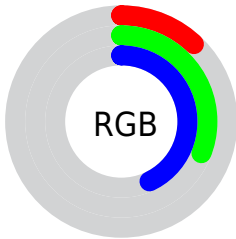
Format	Color
R_{YB}	30, 60, 110
Decimal	1986414
CIE _{Lab}	31.80, -5.35, -22.61
CIE _{LCh}	32, 23.238, 256.687
Yxy	6.9954, 0.2126, 0.2420
Android (android.graphics.Color)	4280176494 (0xFF1E4F6E)
YUV	67.8830, 20.7637, -33.2234
Hunter-Lab	26.4488, -4.8192, -16.8266




Details

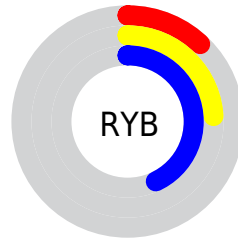
The YIQ color **67.8830, -39.1550, -0.7470** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **72.1170, 39.1550, 0.7470**, and the grayscale version is **68.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **119.0190, -36.5420, 1.4580**, and **27.6130, -29.5270, 0.9770** is the 20% darker color. If you saturate the color by 10%, you get **62.2460, -44.6110, -0.9870**, and if you desaturate by 10%, it is **73.5200, -33.6990, -0.5070**.

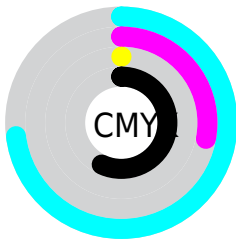
Distribution







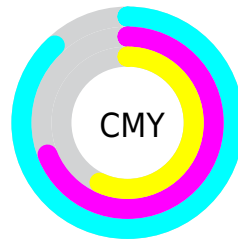
-  Red (12%)
-  Green (31%)
-  Blue (43%)






-  Red (12%)
-  Yellow (24%)
-  Blue (43%)



-  Cyan (73%)
-  Magenta (28%)
-  Yellow (0%)
-  Black (57%)



-  Cyan (88%)
-  Magenta (69%)
-  Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 67.8830, -39.1550, -0.7470 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 67.8830, -39.1550, -0.7470 by changing the saturation by 10% instead.

67.8830, -39.1550,
-0.7470

67.8830, -39.1550,
-0.7470

255.0000, -0.0000,
-0.0000

42.5620, -42.6850,
-2.8530

119.0190,
-36.5420, 1.4580

27.6130, -29.5270,
0.9770

145.1330,
-36.8630, 1.7690

12.1910, -16.4150,
5.6410

172.2470,
-37.1840, 2.0800

2.6390, -6.0530,
5.0750

199.6600,
-36.9090, 2.6030

0.0000, 0.0000,
0.0000

225.6080,
-31.1310, -2.9950

245.4320,

-19.0720, -6.7840

254.1030, -1.7880,
-0.6360

■ 67.8830, -39.1550,
-0.7470

■ 67.8830, -39.1550,
-0.7470

■ 62.2460, -44.6110,
-0.9870

■ 73.5200, -33.6990,
-0.5070

■ 56.6090, -50.0670,
-1.2270

■ 79.7440, -28.5180,
-0.7900

■ 51.8690, -53.7350,
-0.8310

■ 85.3810, -23.0620,
-0.5500

■ 91.0180, -17.6060,
-0.3100

■ 96.6550, -12.1500,
-0.0700

■ 102.8790, -6.9690,
-0.3530

■ 108.5160, -1.5130,
-0.1130

■ 114.1530, 3.9430,
0.1270

■ 119.7900, 9.3990,
0.3670

Harmonies

Analogous

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



60.2350, -55.2460, -11.9980



67.8830, -39.1550, -0.7470



74.5270, -17.2410, 9.5990

Triad

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



67.8830, -39.1550, -0.7470



76.1070, 27.9200, 11.6320



69.8770, -4.6280, -15.2520

Complementary

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



67.8830, -39.1550, -0.7470



72.1170, 39.1550, 0.7470

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.



72.3690, 11.6020, -12.0300



67.8830, -39.1550, -0.7470



75.4350, 29.5720, 3.7160

Square

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



67.8830, -39.1550, -0.7470



76.7780, 18.8410, 16.4810



73.9300, 23.3840, -5.2880



66.1010, -25.8100, -16.8340

Rectangle

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



67.8830, -39.1550, -0.7470



76.8770, -3.4870, 13.6410



73.9300, 23.3840, -5.2880



70.9270, 1.1030, -14.4890

Sweetspot

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



67.8830, -39.1550, -0.7470



126.3880, -15.7720, -0.5080



80.4940, -31.9510, -32.1990



61.5090, -8.8030, -0.1550



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



67.8830, -39.1550, -0.7470



77.7480, -60.7040, -1.1840



44.4030, -28.1550, 20.1730



53.0320, -3.0260, -0.2260



56.5310, -58.5950, -0.8590



117.3820, -121.0870, -2.6790

Inverse Universe

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



59.5060, 31.9510, 32.1990



64.7400, 49.5080, 49.9240



95.5970, 28.1550, -20.1730



52.2500, 2.2920, 2.5160



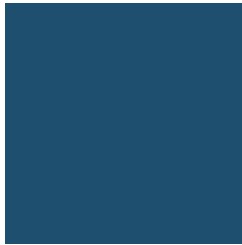
44.2020, 48.0870, 48.1430



91.1810, 98.4200, 99.6360

Previews

White Background



This preview shows how the YIQ color 67.8830, -39.1550, -0.7470 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 67.8830, -39.1550, -0.7470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

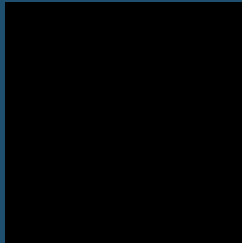
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 67.8830, -39.1550, -0.7470

Background



This preview shows how black text looks on a background with the YIQ color 67.8830, -39.1550, -0.7470.



This preview shows how white text looks on a background with the YIQ color 67.8830, -39.1550,

-0.7470.

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

67.8830, -39.1550, -0.7470

Protanopia

74.8430, -15.3150, 7.7330

Deuteranopia

73.4340, -21.4130, 8.1150



Tritanopia

61.6720, -46.3510, -13.5110

Trichromacy



Original Color

67.8830, -39.1550, -0.7470

Protanomaly

72.3580, -24.2550, 4.5530

Deuteranomaly

71.6180, -27.9230, 4.9490

Tritanomaly

64.2750, -43.5550, -9.1150

Monochromacy



Original Color

67.8830, -39.1550, -0.7470

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

67.8720, -14.2590, -0.3950

CSS Examples

Text

The CSS property to change the color of the text to YIQ 67.8830, -39.1550, -0.7470 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(30, 79, 110)` looks like.

```
.text, #text, p{  
    color:rgb(30, 79, 110)  
}
```

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(30, 79, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 79, 110) }
```

Border

The CSS property to change the border of an element to YIQ 67.8830, -39.1550, -0.7470 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(30, 79, 110) }
```


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

```
.border{ border-color:rgb(30, 79, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 79, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 79, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 79, 110);  
box-shadow:4px 4px 4px 4px rgb(30, 79,  
110) }
```

Background

The CSS property to change the background color of an element to YIQ 67.8830, -39.1550, -0.7470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 79, 110) }
```

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

```
.background{ background-color: rgb(30, 79,  
110) }
```

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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