

Converting Colors

YIQ(119.8960, -13.6660,
16.3980)

Have a look what the booklet for
YIQ(119.8960, -13.6660, 16.3980)
contains.

YIQ(119.8960, -13.6660, 16.3980)	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(119.8960, -13.6660,
16.3980)**

Conversions

Conversions Part 1

Format	Color
Hex	7571A3
RGB	117, 113, 163
RGB Percent	46%, 44%, 64%
CMY	0.5411, 0.5569, 0.3609
CMYK	0.28, 0.31, 0.00, 0.36
HSL	245°, 21%, 54%
HSV	245°, 31%, 64%
XYZ	19.8512, 18.2360, 37.1128
YIQ	119.8960, -13.6660, 16.3980

Conversions

Conversions Part 2

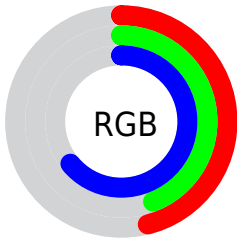
Format	Color
R_{YB}	117, 113, 163
Decimal	7696803
CIE _{Lab}	49.78, 13.12, -26.29
CIE _{LCh}	50, 29.381, 296.514
Yxy	18.2360, 0.2640, 0.2425
Android (android.graphics.Color)	4285886883 (0xFF7571A3)
YUV	119.8960, 21.2503, -2.5398
Hunter-Lab	42.7037, 8.2460, -21.6351

Details

The YIQ color **119.8960, -13.6660, 16.3980** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **156.1040, 13.6660, -16.3980**, and the grayscale version is **120.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **172.5370, -14.0330, 17.5430**, and **70.8420, -13.5740, 14.7300** is the 20% darker color. If you saturate the color by 10%, you get **106.0190, -18.2060, 21.5860**, and if you desaturate by 10%, it is **133.7730, -9.1260, 11.2100**.

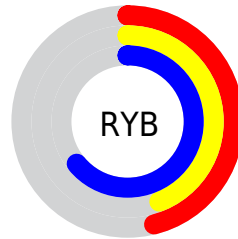
Distribution



Red (46%)

Green (44%)

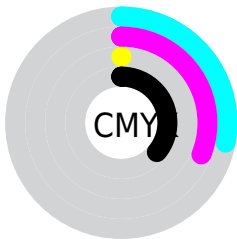
Blue (64%)



Red (46%)

Yellow (44%)

Blue (64%)

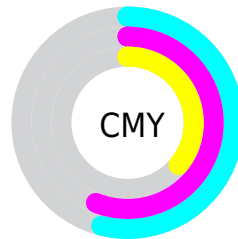


Cyan (28%)

Magenta (31%)

Yellow (0%)

Black (36%)



Cyan (54%)

Magenta (56%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 119.8960, -13.6660, 16.3980 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 119.8960, -13.6660, 16.3980 by changing the saturation by 10% instead.

■ 119.8960,
-13.6660, 16.3980

■ 119.8960,
-13.6660, 16.3980

■ 255.0000, -0.0000,
-0.0000

■ 95.3690, -13.6200,
15.5640

■ 172.5370,
-14.0330, 17.5430

■ 70.8420, -13.5740,
14.7300

■ 200.0640,
-14.0790, 18.3770

■ 47.9020, -13.8030,
13.3730

■ 225.7840, -7.6590,
12.1570

■ 26.3640, -15.2240,
11.5920

■ 250.8910, 1.9250,
3.6610

■ 4.6740, -13.1610,
12.7510

■ 2.7530, -6.3740,
5.3860

■ 0.0000, 0.0000,

0.0000

■ 119.8960,
-13.6660, 16.3980

■ 119.8960,
-13.6660, 16.3980

■ 106.0190,
-18.2060, 21.5860

■ 133.7730, -9.1260,
11.2100

■ 91.5550, -22.4710,
27.2970

■ 148.2370, -4.8610,
5.4990

■ 77.6780, -27.0110,
32.4850

■ 162.1140, -0.3210,
0.3110

■ 63.8010, -31.5510,
37.6730

■ 175.9910, 4.2190,
-4.8770

■ 49.9240, -36.0910,
42.8610

■ 189.8680, 8.7590,
-10.0650

■ 35.4600, -40.3560,
48.5720

■ 204.3320, 13.0240,
-15.7760

■ 22.4690, -44.5750,
53.4490

■ 218.2090, 17.5640,
-20.9640

■ 232.0860, 22.1040,
-26.1520

■ 243.6150, 27.7440,
-29.2480

Harmonies

Analogous

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



113.7890, -41.5860, 4.7660



119.8960, -13.6660, 16.3980



121.6450, 12.1460, 22.1780

Triad

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



119.8960, -13.6660, 16.3980



118.6440, 39.1090, 1.5810



104.9460, -44.6070, -23.0950

Complementary

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



119.8960, -13.6660, 16.3980



156.1040, 13.6660, -16.3980

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.



110.8000, -14.8970, -21.8810



119.8960, -13.6660, 16.3980



116.8070, 27.9240, -10.4760

Square

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



119.8960, -13.6660, 16.3980



119.6910, 40.8950, 13.2710



114.5980, 9.2190, -18.4050



94.6510, -77.3890, -23.7010

Rectangle

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



119.8960, -13.6660, 16.3980



121.4740, 25.8090, 22.3610



114.5980, 9.2190, -18.4050



107.2200, -33.6950, -22.6150

Sweetspot

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



119.8960, -13.6660, 16.3980



195.4650, -5.5030, 6.1210



146.2890, -28.9750, -9.0310



96.6670, -3.2560, 3.9440



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000

Same Dimension

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



119.8960, -13.6660, 16.3980



144.0990, -21.1870, 26.0530



127.0720, 0.6380, 21.4860



74.3250, -2.2930, 3.0110



20.1180, -39.3930, 47.6390



2.3510, -5.1820, 5.8100

Inverse Universe

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



133.1940, 15.0340, 24.9060



164.8290, 23.9720, 39.1400



148.9280, -0.6380, -21.4860



76.6030, 2.7960, 4.3960



58.6310, 43.4060, 72.4140



7.2060, 5.5920, 8.7920

Previews

White Background



This preview shows how the YIQ color 119.8960, -13.6660, 16.3980 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



This preview shows how the YIQ color 119.8960, -13.6660, 16.3980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

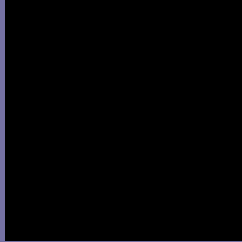
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 119.8960, -13.6660, 16.3980

Background



This preview shows how black text looks on a background with the YIQ color 119.8960, -13.6660, 16.3980.



This preview shows how white text looks on a background with the YIQ color 119.8960, -13.6660,

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

119.8960, -13.6660, 16.3980

Protanopia

118.4000, -24.0730, 12.2710

Deuteranopia

118.5420, -21.5970, 11.4510



Tritanopia

118.0360, -8.8490, 0.6790

Trichromacy



Original Color

119.8960, -13.6660, 16.3980

Protanomaly

119.1940, -20.4970, 13.5430

Deuteranomaly

119.1510, -18.9380, 12.8220

Tritanomaly

118.5400, -10.0880, 6.6160

Monochromacy



Original Color

119.8960, -13.6660, 16.3980

Achromatopsia

120.0000, -0.0000, -0.0000

Achromatomaly

119.7640, -4.9070, 6.3330

CSS Examples

Text

The CSS property to change the color of the text to YIQ 119.8960, -13.6660, 16.3980 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(117, 113, 163)` looks like.

```
.text, #text, p{  
    color:rgb(117, 113, 163)  
}
```

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(117, 113, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 113, 163) }
```

Border

The CSS property to change the border of an element to YIQ 119.8960, -13.6660, 16.3980 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(117, 113, 163) }
```


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

```
.border{ border-color:rgb(117, 113, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 113, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 113, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 113, 163);  
box-shadow:4px 4px 4px 4px rgb(117, 113,  
163) }
```

Background

The CSS property to change the background color of an element to YIQ 119.8960, -13.6660, 16.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 113, 163) }
```

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

```
.background{ background-color: rgb(117,  
113, 163) }
```

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