

Converting Colors

YIQ(116.8600, -13.9850, 5.6550)

Have a look what the booklet for
YIQ(116.8600, -13.9850, 5.6550)
contains.

YIQ(116.8600, -13.9850, 5.6550)	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(116.8600, -13.9850,
5.6550)**

Conversions

Conversions Part 1

Format	Color
Hex	6B758E
RGB	107, 117, 142
RGB Percent	42%, 46%, 56%
CMY	0.5804, 0.5411, 0.4432
CMYK	0.25, 0.18, 0.00, 0.44
HSL	223°, 14%, 49%
HSV	223°, 25%, 56%
XYZ	17.3060, 17.8017, 28.1076
YIQ	116.8600, -13.9850, 5.6550

Conversions

Conversions Part 2

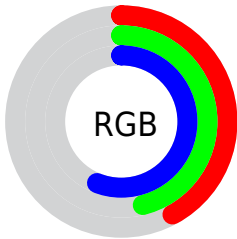
Format	Color
R_{YB}	107, 115, 142
Decimal	7042446
CIE _{Lab}	49.25, 2.12, -14.84
CIE _{LCh}	49, 14.989, 278.143
Yxy	17.8017, 0.2738, 0.2816
Android (android.graphics.Color)	4285232526 (0xFF6B758E)
YUV	116.8600, 12.3940, -8.6472
Hunter-Lab	42.1920, -0.6203, -9.9636

Details

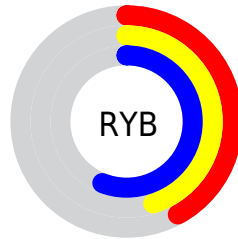
The YIQ color **116.8600, -13.9850, 5.6550** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **132.1400, 13.9850, -5.6550**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **169.0880, -14.6270, 6.2770**, and **68.6320, -13.3430, 5.0330** is the 20% darker color. If you saturate the color by 10%, you get **106.8040, -19.5790, 7.9170**, and if you desaturate by 10%, it is **126.9160, -8.3910, 3.3930**.

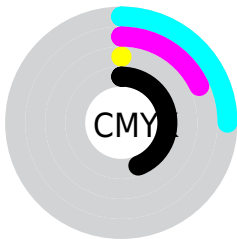
Distribution



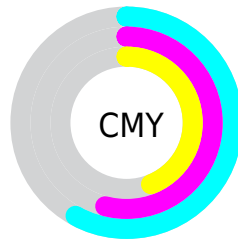
- Red (42%)
- Green (46%)
- Blue (56%)



- Red (42%)
- Yellow (45%)
- Blue (56%)



- Cyan (25%)
- Magenta (18%)
- Yellow (0%)
- Black (44%)



- Cyan (58%)
- Magenta (54%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 116.8600, -13.9850, 5.6550 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 116.8600, -13.9850, 5.6550 by changing the saturation by 10% instead.

■ 116.8600,
-13.9850, 5.6550

■ 116.8600,
-13.9850, 5.6550

■ 255.0000, -0.0000,
-0.0000

■ 91.7460, -13.6640,
5.3440

■ 169.0880,
-14.6270, 6.2770

■ 68.6320, -13.3430,
5.0330

■ 196.2020,
-14.9480, 6.5880

■ 46.1050, -13.2970,
4.1990

■ 224.2020,
-14.9480, 6.5880

■ 24.6920, -13.5720,
3.6760

■ 249.9390, -7.1980,
-1.7100

■ 3.4370, -8.3000,
7.2520

■ 0.0000, 0.0000,
0.0000

■ 116.8600,
-13.9850, 5.6550

■ 116.8600,
-13.9850, 5.6550

■ 106.8040,
-19.5790, 7.9170

■ 126.9160, -8.3910,
3.3930

■ 96.7480, -25.1730,
10.1790

■ 136.9720, -2.7970,
1.1310

■ 86.3930, -31.3630,
12.2290

■ 147.3270, 3.3930,
-0.9190

■ 75.7500, -36.6820,
15.0140

■ 157.9700, 8.7120,
-3.7040

■ 65.6940, -42.2760,
17.2760

■ 168.0260, 14.3060,
-5.9660

■ 55.6380, -47.8700,
19.5380

■ 178.0820, 19.9000,
-8.2280

■ 45.5820, -53.4640,
21.8000

■ 188.1380, 25.4940,
-10.4900

■ 40.2550, -56.8570,

■ 198.4930, 31.6840,

22.7190

-12.5400

 208.5490, 37.2780,
-14.8020

Harmonies

Analogous

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



114.1960, -23.9790, -0.4510



116.8600, -13.9850, 5.6550



119.0250, -1.1480, 9.7960

Triad

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



116.8600, -13.9850, 5.6550



118.6560, 21.6400, 4.2960



113.3910, -11.8270, -11.4350

Complementary

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



116.8600, -13.9850, 5.6550



132.1400, 13.9850, -5.6550

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.



114.6760, 0.5520, -10.0080



116.8600, -13.9850, 5.6550



117.4120, 19.2110, -1.2450

Square

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



116.8600, -13.9850, 5.6550



119.1490, 18.9340, 9.2860



115.9440, 11.6010, -6.5030



111.8830, -21.9600, -9.5120

Rectangle

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



116.8600, -13.9850, 5.6550



119.2710, 6.9670, 11.4070



115.9440, 11.6010, -6.5030



113.5440, -7.8840, -11.3080

Sweetspot

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



116.8600, -13.9850, 5.6550



174.2430, -4.9980, 2.4740



130.2810, -17.3290, -10.8410



86.6730, -3.3930, 0.9190



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000

Same Dimension

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



116.8600, -13.9850, 5.6550



144.0750, -21.7800, 9.2600



113.0830, -7.0630, 12.3690



65.9720, -2.7970, 1.1310



38.2830, -54.0600, 21.5880



2.0860, -3.1180, 1.4420

Inverse Universe

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



118.6050, 17.6500, 10.5300



147.1550, 27.9650, 16.3250



135.9170, 7.0630, -12.3690



66.3210, 3.5300, 2.1060



44.8110, 67.9410, 40.7490



2.6200, 4.1260, 2.3180

Previews

White Background



This preview shows how the YIQ color 116.8600, -13.9850, 5.6550 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 116.8600, -13.9850, 5.6550 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

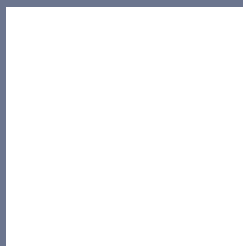
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 116.8600, -13.9850, 5.6550

Background



This preview shows how black text looks on a background with the YIQ color 116.8600, -13.9850, 5.6550.

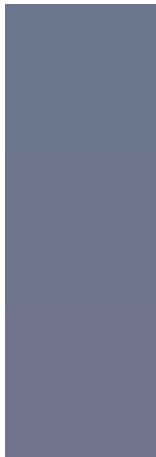


This preview shows how white text looks on a background with the YIQ color 116.8600, -13.9850,

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

116.8600, -13.9850, 5.6550

Protanopia

117.3550, -11.0050, 6.7150

Deuteranopia

117.6050, -8.7130, 9.2310



Tritanopia

115.6550, -12.1500, -0.0700

Trichromacy



Original Color

116.8600, -13.9850, 5.6550

Protanomaly

117.0560, -11.6010, 6.5030

Deuteranomaly

117.2950, -10.7760, 8.0720

Tritanomaly

115.9370, -12.8840, 2.2200

Monochromacy



Original Color

116.8600, -13.9850, 5.6550

Achromatopsia

117.0000, -0.0000, 0.0000

Achromatomaly

116.8300, -5.2730, 1.9510

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.8600, -13.9850, 5.6550 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(107, 117, 142)` looks like.

```
.text, #text, p{  
    color:rgb(107, 117, 142)  
}
```

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(107, 117, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 117, 142) }
```

Border

The CSS property to change the border of an element to YIQ 116.8600, -13.9850, 5.6550 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(107, 117, 142) }
```


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

```
.border{ border-color:rgb(107, 117, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 117, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 117, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 117, 142);  
box-shadow:4px 4px 4px 4px rgb(107, 117,  
142) }
```

Background

The CSS property to change the background color of an element to YIQ 116.8600, -13.9850, 5.6550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 117, 142) }
```

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

```
.background{ background-color: rgb(107,  
117, 142) }
```

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