

Converting Colors

YIQ(56.4610, -16.8750, 13.9810)

Have a look what the booklet for
YIQ(56.4610, -16.8750, 13.9810)
contains.

YIQ(56.4610, -16.8750, 13.9810)	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(56.4610, -16.8750,
13.9810)**

Conversions

Conversions Part 1

Format	Color
Hex	313463
RGB	49, 52, 99
RGB Percent	19%, 20%, 39%
CMY	0.8078, 0.7961, 0.6119
CMYK	0.50, 0.47, 0.00, 0.61
HSL	236°, 34%, 29%
HSV	236°, 50%, 39%
XYZ	4.7458, 4.0096, 12.3216
YIQ	56.4610, -16.8750, 13.9810

Conversions

Conversions Part 2

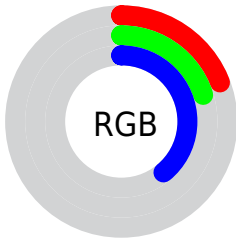
Format	Color
R_{YB}	49, 52, 99
Decimal	3224675
CIE Lab	23.70, 12.98, -28.28
CIE LCh	24, 31.122, 294.656
Yxy	4.0096, 0.2252, 0.1902
Android (android.graphics.Color)	4281414755 (0xFF313463)
YUV	56.4610, 20.9717, -6.5433
Hunter-Lab	20.0239, 7.2641, -22.4670

Details

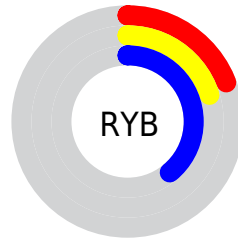
The YIQ color **56.4610, -16.8750, 13.9810** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **91.5390, 16.8750, -13.9810**, and the grayscale version is **56.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **104.2270, -16.0960, 16.3840**, and **10.3360, -18.0210, 12.7230** is the 20% darker color. If you saturate the color by 10%, you get **48.1880, -20.3600, 16.5680**, and if you desaturate by 10%, it is **64.7340, -13.3900, 11.3940**.

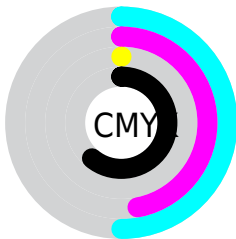
Distribution



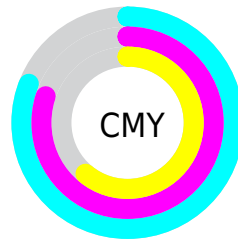
- Red (19%)
- Green (20%)
- Blue (39%)



- Red (19%)
- Yellow (20%)
- Blue (39%)



- Cyan (50%)
- Magenta (47%)
- Yellow (0%)
- Black (61%)



- Cyan (81%)
- Magenta (80%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 56.4610, -16.8750, 13.9810 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 56.4610, -16.8750, 13.9810 by changing the saturation by 10% instead.

■ 56.4610, -16.8750,
13.9810

■ 56.4610, -16.8750,
13.9810

■ 255.0000, -0.0000,
-0.0000

■ 33.9230, -18.2960,
12.2000

■ 104.2270,
-16.0960, 16.3840

■ 10.3360, -18.0210,
12.7230

■ 129.4550,
-16.7380, 17.0060

■ 4.5940, -10.1800,
8.2840

■ 155.9820,
-16.7840, 17.8400

■ 0.0000, 0.0000,
0.0000

■ 183.0960,
-17.1050, 18.1510

■ 209.8250,
-14.9040, 16.8080

■ 234.9320, -5.3200,

8.3120

■ 56.4610, -16.8750,
13.9810

■ 56.4610, -16.8750,
13.9810

■ 48.1880, -20.3600,
16.5680

■ 64.7340, -13.3900,
11.3940

■ 39.3280, -23.5700,
19.6780

■ 73.5940, -10.1800,
8.2840

■ 31.0550, -27.0550,
22.2650

■ 81.8670, -6.6950,
5.6970

■ 22.7820, -30.5400,
24.8520

■ 90.1400, -3.2100,
3.1100

■ 14.8080, -33.4290,
27.6510

■ 98.7010, -0.5960,
-0.2120

■ 106.9740, 2.8890,
-2.7990

■ 115.2470, 6.3740,
-5.3860

■ 123.5200, 9.8590,
-7.9730

■ 132.3800, 13.0690,
-11.0830

Harmonies

Analogous

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



46.9620, -49.5630, 0.6530



56.4610, -16.8750, 13.9810



58.4490, 9.7620, 21.3300

Triad

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



56.4610, -16.8750, 13.9810



55.0780, 34.8910, 0.9310



45.1430, -34.7960, -19.1800

Complementary

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



56.4610, -16.8750, 13.9810



91.5390, 16.8750, -13.9810

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.



46.7290, -16.1350, -21.4710



56.4610, -16.8750, 13.9810



53.6820, 26.7780, -11.7340

Square

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



56.4610, -16.8750, 13.9810



54.7660, 36.3100, 13.7660



51.7830, 10.1360, -18.5040



47.8790, -42.5000, -11.7160

Rectangle

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



56.4610, -16.8750, 13.9810



56.8050, 23.3790, 22.3470



51.7830, 10.1360, -18.5040



44.2310, -32.2280, -21.6680

Sweetspot

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



56.4610, -16.8750, 13.9810



111.4540, -6.9700, 5.1740



83.7080, -28.8370, -11.5330



53.9550, -4.1270, 3.2090



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000

Same Dimension

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



56.4610, -16.8750, 13.9810



61.2400, -26.1380, 22.1660



61.2780, -2.9380, 20.2140



44.4560, -1.2840, 1.2440



16.8770, -37.8770, 31.1710



35.5780, -80.8900, 67.3180

Inverse Universe

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



64.2920, 28.8370, 11.5330



73.7780, 45.2040, 17.7800



86.7220, 2.9380, -20.2140



45.1960, 2.3840, 0.8480



34.2860, 64.5050, 25.9210



73.3560, 138.5460, 55.2340

Previews

White Background



This preview shows how the YIQ color 56.4610, -16.8750, 13.9810 looks on a white background.

Color Contrast Check

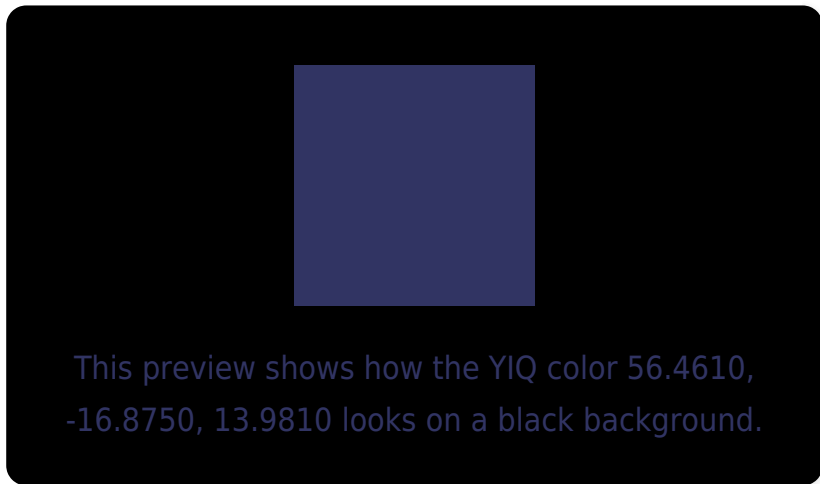
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.4610, -16.8750, 13.9810

Background



This preview shows how black text looks on a background with the YIQ color 56.4610, -16.8750, 13.9810.



This preview shows how white text looks on a background with the YIQ color 56.4610, -16.8750,

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

56.4610, -16.8750, 13.9810

Protanopia

54.0790, -27.6030, 10.1650

Deuteranopia

51.8070, -32.8290, 5.7550



Tritanopia

53.9920, -14.7170, -3.1090

Trichromacy



Original Color

56.4610, -16.8750, 13.9810

Protanomaly

54.8730, -24.0270, 11.4370

Deuteranomaly

53.3240, -26.9150, 8.7090

Tritanomaly

54.7950, -15.3600, 3.0400

Monochromacy



Original Color

56.4610, -16.8750, 13.9810

Achromatopsia

56.0000, -0.0000, 0.0000

Achromatomaly

56.3400, -6.6490, 4.8630

CSS Examples

Text

The CSS property to change the color of the text to YIQ 56.4610, -16.8750, 13.9810 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(49, 52, 99)` looks like.

```
.text, #text, p{  
    color:rgb(49, 52, 99)  
}
```

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(49, 52, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 52, 99) }
```

Border

The CSS property to change the border of an element to YIQ 56.4610, -16.8750, 13.9810 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(49, 52, 99) }
```


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

```
.border{ border-color:rgb(49, 52, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 52, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 52, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 52, 99);  
box-shadow:4px 4px 4px 4px rgb(49, 52, 99)  
}
```

Background

The CSS property to change the background color of an element to YIQ 56.4610, -16.8750, 13.9810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 52, 99) }
```

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

```
.background{ background-color: rgb(49, 52,  
99) }
```

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