

Converting Colors

YIQ(56.7780, 9.6730, 6.4170)

Have a look what the booklet for
YIQ(56.7780, 9.6730, 6.4170)
contains.

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Color

YIQ(56.7780, 9.6730, 6.4170)

Conversions

Conversions Part 1

Format	Color
Hex	463239
RGB	70, 50, 57
RGB Percent	27%, 20%, 22%
CMY	0.7254, 0.8039, 0.7764
CMYK	0.00, 0.29, 0.19, 0.73
HSL	339°, 17%, 24%
HSV	339°, 29%, 27%
XYZ	4.4057, 3.8786, 4.3884
YIQ	56.7780, 9.6730, 6.4170

Conversions

Conversions Part 2

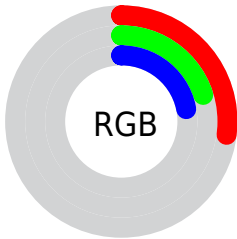
Format	Color
R_{YB}	70, 50, 57
Decimal	4600377
CIE Lab	23.27, 10.36, -0.87
CIE LCh	23, 10.397, 355.188
Yxy	3.8786, 0.3477, 0.3061
Android (android.graphics.Color)	4282790457 (0xFF463239)
YUV	56.7780, 0.1094, 11.5957
Hunter-Lab	19.6941, 5.4672, 0.5743

Details

The YIQ color **56.7780, 9.6730, 6.4170** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **63.2220, -9.6730, -6.4170**, and the grayscale version is **57.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **103.7890, 11.1400, 7.3640**, and **12.3160, 11.0940, 8.1980** is the 20% darker color. If you saturate the color by 10%, you get **52.0990, 13.2030, 8.5230**, and if you desaturate by 10%, it is **61.4570, 6.1430, 4.3110**.

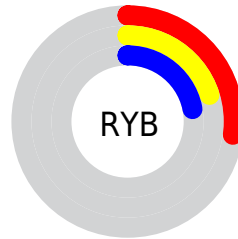
Distribution



Red (27%)

Green (20%)

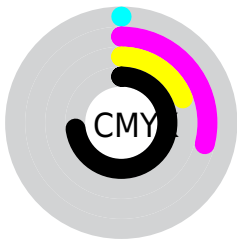
Blue (22%)



Red (27%)

Yellow (20%)

Blue (22%)

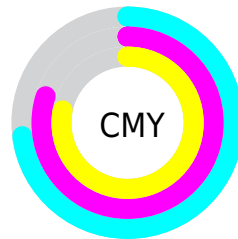


Cyan (0%)

Magenta (29%)

Yellow (19%)

Black (73%)



Cyan (73%)

Magenta (80%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 56.7780, 9.6730, 6.4170 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 56.7780, 9.6730, 6.4170 by changing the saturation by 10% instead.

■ 56.7780, 9.6730,
6.4170

■ 56.7780, 9.6730,
6.4170

■ 255.0000, -0.0000,
-0.0000

■ 35.1800, 8.4810,
5.9930

■ 103.7890, 11.1400,
7.3640

■ 12.3160, 11.0940,
8.1980

■ 128.7890, 11.1400,
7.3640

■ 0.0000, 0.0000,
0.0000

■ 155.0880, 11.7360,
7.5760

■ 182.3870, 12.3320,
7.7880

■ 209.6860, 12.9280,
8.0000

■ 237.8000, 12.6070,

8.3110

■ 56.7780, 9.6730,
6.4170

■ 56.7780, 9.6730,
6.4170

■ 52.0990, 13.2030,
8.5230

■ 61.4570, 6.1430,
4.3110

■ 47.5340, 16.4120,
10.9400

■ 66.0220, 2.9340,
1.8940

■ 42.8550, 19.9420,
13.0460

■ 70.7010, -0.5960,
-0.2120

■ 38.2900, 23.1510,
15.4630

■ 75.2660, -3.8050,
-2.6290

■ 33.6110, 26.6810,
17.5690

■ 79.9450, -7.3350,
-4.7350

■ 29.0460, 29.8900,
19.9860

■ 84.5100, -10.5440,
-7.1520

■ 24.3670, 33.4200,
22.0920

■ 89.1890, -14.0740,
-9.2580

■ 23.7800, 33.6950,
22.6150

■ 93.7540, -17.2830,
-11.6750

■ 98.4330, -20.8130,
-13.7810

Harmonies

Analogous

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



56.3690, 3.5750, 6.7990



56.7780, 9.6730, 6.4170



56.1650, 12.8370, 4.1410

Triad

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



56.7780, 9.6730, 6.4170



54.2790, 3.3480, -5.6120



53.1490, -16.5970, -2.0770

Complementary

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



56.7780, 9.6730, 6.4170



63.2220, -9.6730, -6.4170

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.



52.1550, -16.7340, -5.1020



56.7780, 9.6730, 6.4170



53.3320, -4.1710, -7.0110

Square

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



56.7780, 9.6730, 6.4170



55.3830, 8.9870, -3.1810



52.7380, -11.1860, -6.5300



55.0080, -11.6460, 1.8100

Rectangle

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



56.7780, 9.6730, 6.4170



55.9970, 13.2500, 2.1620



52.7380, -11.1860, -6.5300



52.3230, -17.1470, -3.1230

Sweetspot

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



56.7780, 9.6730, 6.4170



86.6200, 4.1260, 2.3180



56.1670, 1.3280, 8.9760



42.7230, 2.3380, 1.6820



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



56.7780, 9.6730, 6.4170



71.5230, 14.9450, 9.9930



57.7410, 11.0950, 2.6710



33.3100, 2.0630, 1.1590



33.5910, 47.7690, 31.8730



76.9930, 109.6120, 73.0040

Inverse Universe

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



56.7780, 9.6730, 6.4170



71.5230, 14.9450, 9.9930



62.2590, -11.0950, -2.6710



33.3100, 2.0630, 1.1590



33.5910, 47.7690, 31.8730



76.9930, 109.6120, 73.0040

Previews

White Background



This preview shows how the YIQ color 56.7780, 9.6730, 6.4170 looks on a white background.

Color Contrast Check

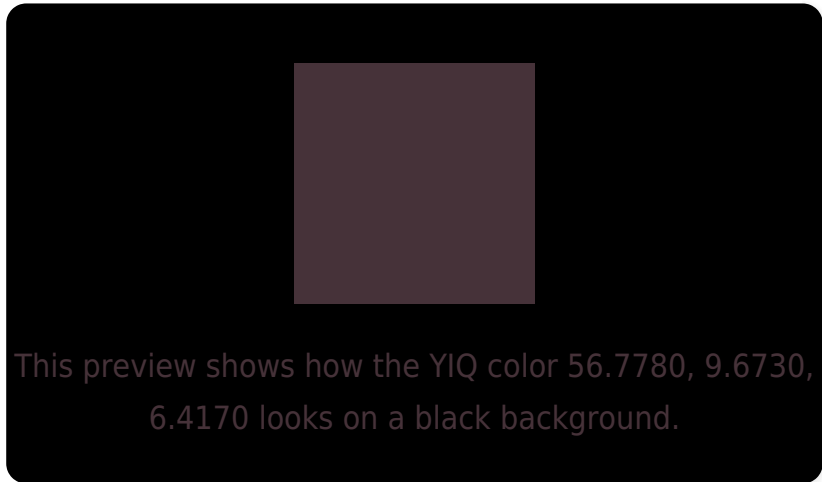
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.7780, 9.6730, 6.4170

Background



This preview shows how black text looks on a background with the YIQ color 56.7780, 9.6730, 6.4170.

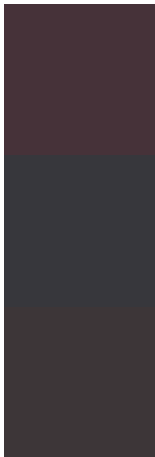


This preview shows how white text looks on a background with the YIQ color 56.7780, 9.6730, 6.4170.

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

56.7780, 9.6730, 6.4170

Protanopia

55.5700, -1.6050, 1.5550

Deuteranopia

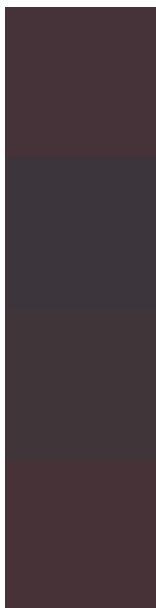
56.3210, 3.5300, 2.1060



Tritanopia

56.4360, 10.6360, 5.4840

Trichromacy



Original Color

56.7780, 9.6730, 6.4170

Protanomaly

55.7770, 2.2460, 3.3500

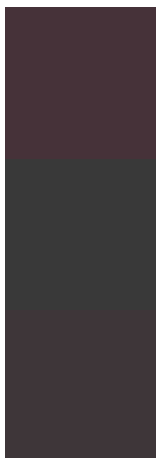
Deuteranomaly

56.6310, 5.5930, 3.2650

Tritanomaly

56.5500, 10.3150, 5.7950

Monochromacy



Original Color

56.7780, 9.6730, 6.4170

Achromatopsia

57.0000, 0.0000, 0.0000

Achromatomaly

56.7340, 3.8050, 2.6290

CSS Examples

Text

The CSS property to change the color of the text to YIQ 56.7780, 9.6730, 6.4170 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(70, 50, 57)` looks like.

```
.text, #text, p{  
    color:rgb(70, 50, 57)  
}
```

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(70, 50, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 50, 57) }
```

Border

The CSS property to change the border of an element to YIQ 56.7780, 9.6730, 6.4170 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(70, 50, 57) }
```

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

```
.border{ border-color:rgb(70, 50, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 50, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 50, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 50, 57);  
box-shadow:4px 4px 4px 4px rgb(70, 50, 57)  
}
```


Background

The CSS property to change the background color of an element to YIQ 56.7780, 9.6730, 6.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 50, 57) }
```

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

```
.background{ background-color: rgb(70, 50,  
57) }
```

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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