

Converting Colors

YIQ(56.7780, 46.3450, 46.6730)

Have a look what the booklet for
YIQ(56.7780, 46.3450, 46.6730)
contains.

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Color

**YIQ(56.7780, 46.3450,
46.6730)**

Conversions

Conversions Part 1

Format	Color
Hex	820E55
RGB	130, 14, 85
RGB Percent	51%, 5%, 33%
CMY	0.4899, 0.9452, 0.6665
CMYK	0.00, 0.89, 0.35, 0.49
HSL	323°, 81%, 28%
HSV	323°, 89%, 51%
XYZ	11.0158, 5.7215, 9.1249
YIQ	56.7780, 46.3450, 46.6730

Conversions

Conversions Part 2

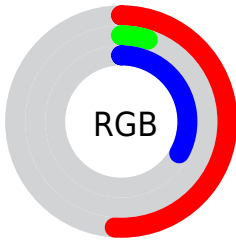
Format	Color
R_{YB}	130, 14, 85
Decimal	8523349
CIE _{Lab}	28.70, 51.11, -10.46
CIE _{LCh}	29, 52.171, 348.439
Yxy	5.7215, 0.4259, 0.2212
Android (android.graphics.Color)	4286713429 (0xFF820E55)
YUV	56.7780, 13.9134, 64.2157
Hunter-Lab	23.9196, 40.3465, -5.8745

Details

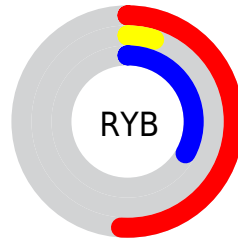
The YIQ color **56.7780, 46.3450, 46.6730** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **87.2220, -46.3450, -46.6730**, and the grayscale version is **57.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **115.3280, 47.4920, 42.4040**, and **26.9850, 31.8600, 28.3400** is the 20% darker color. If you saturate the color by 10%, you get **48.5770, 51.5250, 51.9170**, and if you desaturate by 10%, it is **64.9790, 41.1650, 41.4290**.

Distribution



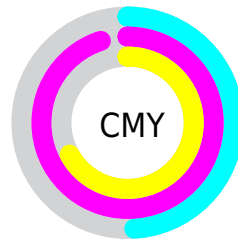
- Red (51%)
- Green (5%)
- Blue (33%)



- Red (51%)
- Yellow (5%)
- Blue (33%)



- Cyan (0%)
- Magenta (89%)
- Yellow (35%)
- Black (49%)



- Cyan (49%)
- Magenta (95%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 56.7780, 46.3450, 46.6730 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, 46.3450, 46.6730 by changing the saturation by 10% instead.

56.7780, 46.3450,
46.6730

56.7780, 46.3450,
46.6730

255.0000, -0.0000,
-0.0000

37.8650, 41.4860,
41.1180

115.3280, 47.4920,
42.4040

27.2840, 32.4560,
28.5520

142.8120, 49.0050,
42.5170

17.7140, 24.8930,
16.9330

170.7090, 50.7930,
43.1530

1.7940, 3.5760,
1.2720

193.0280, 39.4690,
39.1250

0.0000, 0.0000,
0.0000

212.6560, 22.7810,
33.1890

230.3460, 11.5500,

21.9660

247.9560, 3.3000,
6.2760

56.7780, 46.3450,
46.6730

56.7780, 46.3450,
46.6730

48.5770, 51.5250,
51.9170

64.9790, 41.1650,
41.4290

47.9900, 51.8000,
52.4400

73.1800, 35.9850,
36.1850

81.3810, 30.8050,
30.9410

89.5820, 25.6250,
25.6970

97.7830, 20.4450,
20.4530

■ 105.9840, 15.2650,
15.2090

■ 114.1850, 10.0850,
9.9650

■ 122.3860, 4.9050,
4.7210

■ 130.5870, -0.2750,
-0.5230

Harmonies

Analogous

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



68.1630, 8.2920, 36.9640



56.7780, 46.3450, 46.6730



53.4250, 63.0360, 36.0280

Triad

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



56.7780, 46.3450, 46.6730



61.0900, 16.2810, -25.2470



63.3130, -63.9130, -3.6010

Complementary

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



56.7780, 46.3450, 46.6730



87.2220, -46.3450, -46.6730

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.



60.3830, -52.9070, -15.8430



56.7780, 46.3450, 46.6730



47.3020, -22.9630, -40.9070

Square

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



56.7780, 46.3450, 46.6730



64.2230, 41.3120, -10.8160



55.0080, -39.1500, -28.3820



61.9570, -68.3620, 5.4460

Rectangle

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



56.7780, 46.3450, 46.6730



58.9340, 62.2600, 17.0440



55.0080, -39.1500, -28.3820



62.6460, -60.6570, -7.5450

Sweetspot

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



56.7780, 46.3450, 46.6730



139.6470, 17.8320, 18.2480



40.3800, -11.0120, 45.4040



67.0110, 10.6350, 11.0110



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



56.7780, 46.3450, 46.6730



61.9740, 67.0650, 67.6490



50.2800, 64.6420, 28.9460



62.2500, 2.2920, 2.5160



47.9900, 51.8000, 52.4400



1.1250, 1.1460, 1.2580

Inverse Universe

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



56.7780, 46.3450, 46.6730



61.9740, 67.0650, 67.6490



93.8340, -64.9630, -28.6350



62.2500, 2.2920, 2.5160



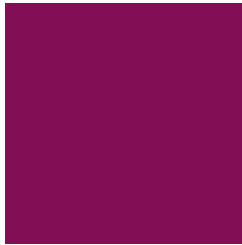
47.9900, 51.8000, 52.4400



1.1250, 1.1460, 1.2580

Previews

White Background



This preview shows how the YIQ color 56.7780, 46.3450, 46.6730 looks on a white background.

Color Contrast Check

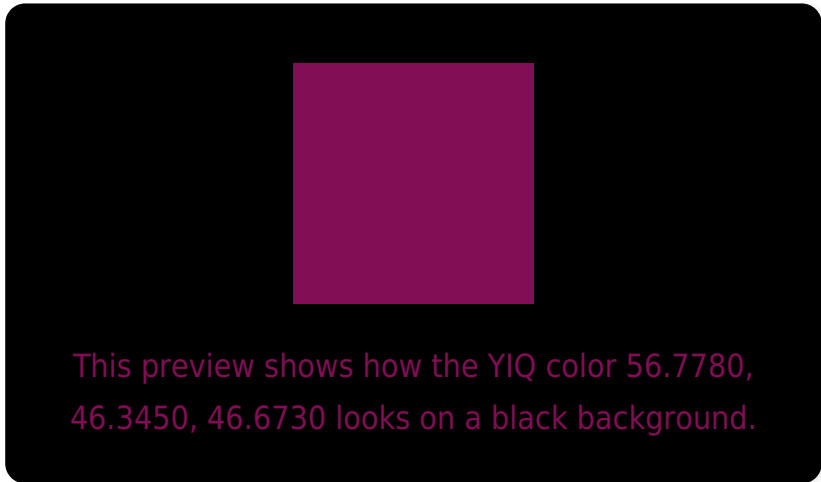
Large Text (above 18pt) WCAG AA ✓ Pass

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

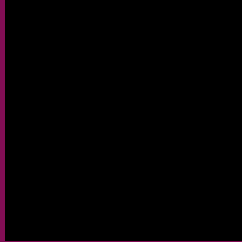
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 56.7780, 46.3450, 46.6730

Background



This preview shows how black text looks on a background with the YIQ color 56.7780, 46.3450, 46.6730.



This preview shows how white text looks on a background with the YIQ color 56.7780, 46.3450,

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, 46.3450, 46.6730

Protanopia

67.9480, -28.6120, 11.9320

Deuteranopia

70.4500, -1.1470, 4.2690



Tritanopia

62.7360, 54.1900, 20.1260

Trichromacy



Original Color

56.7780, 46.3450, 46.6730

Protanomaly

63.6960, -1.0590, 24.7090

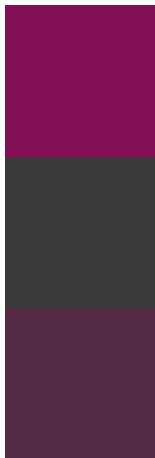
Deuteranomaly

65.2170, 16.2270, 19.8030

Tritanomaly

60.2770, 51.5290, 29.8090

Monochromacy



Original Color

56.7780, 46.3450, 46.6730

Achromatopsia

57.0000, 0.0000, 0.0000

Achromatomaly

56.8210, 17.2820, 17.2020

CSS Examples

Text

The CSS property to change the color of the text to YIQ 56.7780, 46.3450, 46.6730 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(130, 14, 85)` looks like.

```
.text, #text, p{  
  color:rgb(130, 14, 85)  
}
```

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(130, 14, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 14, 85) }
```

Border

The CSS property to change the border of an element to YIQ 56.7780, 46.3450, 46.6730 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(130, 14, 85) }
```


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

```
.border{ border-color:rgb(130, 14, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 14, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 14, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 14, 85);  
box-shadow:4px 4px 4px 4px rgb(130, 14,  
85) }
```

Background

The CSS property to change the background color of an element to YIQ 56.7780, 46.3450, 46.6730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 14, 85) }
```

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

```
.background{ background-color: rgb(130, 14,  
85) }
```

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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