

Converting Colors

YIQ(83.8010, 56.7060, 51.6340)

Have a look what the booklet for
YIQ(83.8010, 56.7060, 51.6340)
contains.

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Color

**YIQ(83.8010, 56.7060,
51.6340)**

Conversions

Conversions Part 1

Format	Color
Hex	AA236D
RGB	170, 35, 109
RGB Percent	67%, 14%, 43%
CMY	0.3330, 0.8629, 0.5724
CMYK	0.00, 0.79, 0.36, 0.33
HSL	327°, 66%, 40%
HSV	327°, 79%, 67%
XYZ	19.9598, 10.8603, 15.5243
YIQ	83.8010, 56.7060, 51.6340

Conversions

Conversions Part 2

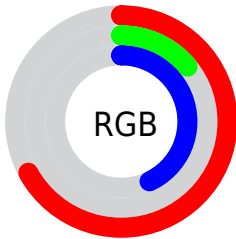
Format	Color
R_{YB}	170, 35, 109
Decimal	11150189
CIE Lab	39.34, 58.64, -9.06
CIE LCh	39, 59.340, 351.215
Yxy	10.8603, 0.4307, 0.2343
Android (android.graphics.Color)	4289340269 (0xFFAA236D)
YUV	83.8010, 12.4231, 75.5965
Hunter-Lab	32.9549, 50.4409, -4.8617

Details

The YIQ color **83.8010, 56.7060, 51.6340** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **121.1990, -56.7060, -51.6340**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.4760, 58.9990, 48.6230**, and **40.8550, 47.4460, 43.2380** is the 20% darker color. If you saturate the color by 10%, you get **72.9100, 63.9490, 58.0370**, and if you desaturate by 10%, it is **94.6920, 49.4630, 45.2310**.

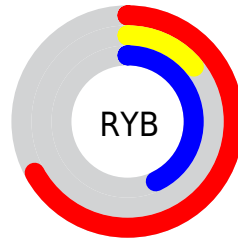
Distribution



Red (67%)

Green (14%)

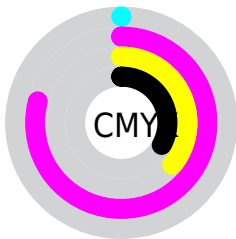
Blue (43%)



Red (67%)

Yellow (14%)

Blue (43%)

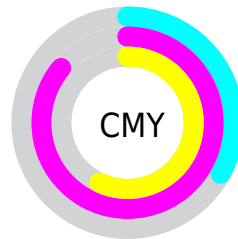


Cyan (0%)

Magenta (79%)

Yellow (36%)

Black (33%)



Cyan (33%)

Magenta (86%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 83.8010, 56.7060, 51.6340 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 83.8010, 56.7060, 51.6340 by changing the saturation by 10% instead.

83.8010, 56.7060,
51.6340

83.8010, 56.7060,
51.6340

255.0000, -0.0000,
-0.0000

51.8490, 56.7510,
56.3270

142.5900, 58.6780,
48.9340

40.8550, 47.4460,
43.2380

169.8780, 57.8070,
48.1990

29.9750, 37.8200,
30.4600

189.3920, 41.4400,
41.9520

20.1060, 29.6610,
18.6290

209.1340, 24.4310,
36.3270

7.8880, 15.1750,
5.8230

227.4110, 12.9250,
24.5810

0.0000, 0.0000,
0.0000

244.4340, 4.9500,

9.4140

■ 83.8010, 56.7060,
51.6340

■ 83.8010, 56.7060,
51.6340

■ 72.9100, 63.9490,
58.0370

■ 94.6920, 49.4630,
45.2310

■ 62.1330, 70.8710,
64.7510

■ 105.4690, 42.5410,
38.5170

■ 61.4320, 71.4670,
64.9630

■ 116.3600, 35.2980,
32.1140

■ 127.2510, 28.0550,
25.7110

■ 138.0280, 21.1330,
18.9970

■ 148.9190, 13.8900,
12.5940

■ 159.8100, 6.6470,
6.1910

■ 170.7010, -0.5960,
-0.2120

■ 181.4780, -7.5180,
-6.9260

Harmonies

Analogous

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



93.7280, 14.2510, 44.6110



83.8010, 56.7060, 51.6340



81.5850, 74.2690, 36.1970

Triad

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



83.8010, 56.7060, 51.6340



82.6200, 20.1800, -35.3400



84.3090, -84.4530, -5.8050

Complementary

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



83.8010, 56.7060, 51.6340



121.1990, -56.7060, -51.6340

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.



81.2820, -71.7960, -20.4360



83.8010, 56.7060, 51.6340



66.7190, -37.6790, -49.5430

Square

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



83.8010, 56.7060, 51.6340



87.8570, 50.8500, -18.4780



74.9950, -55.4710, -35.4630



82.0070, -88.9940, 4.9100

Rectangle

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



83.8010, 56.7060, 51.6340



84.7520, 74.4560, 16.2800



74.9950, -55.4710, -35.4630



84.1150, -81.1510, -10.5830

Sweetspot

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



83.8010, 56.7060, 51.6340



188.1530, 22.2790, 20.2550



68.6290, -6.9790, 54.9170



91.6200, 13.2940, 12.3820



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



83.8010, 56.7060, 51.6340



87.3130, 88.5200, 80.8080



76.1630, 78.2130, 30.7970



78.8480, 3.4840, 2.9400



53.4860, 62.2070, 56.5670



7.2340, 8.3890, 7.6610

Inverse Universe

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



83.8010, 56.7060, 51.6340



87.3130, 88.5200, 80.8080



128.8370, -78.2130, -30.7970



78.8480, 3.4840, 2.9400



53.4860, 62.2070, 56.5670



7.2340, 8.3890, 7.6610

Previews

White Background



This preview shows how the YIQ color 83.8010, 56.7060, 51.6340 looks on a white background.

Color Contrast Check

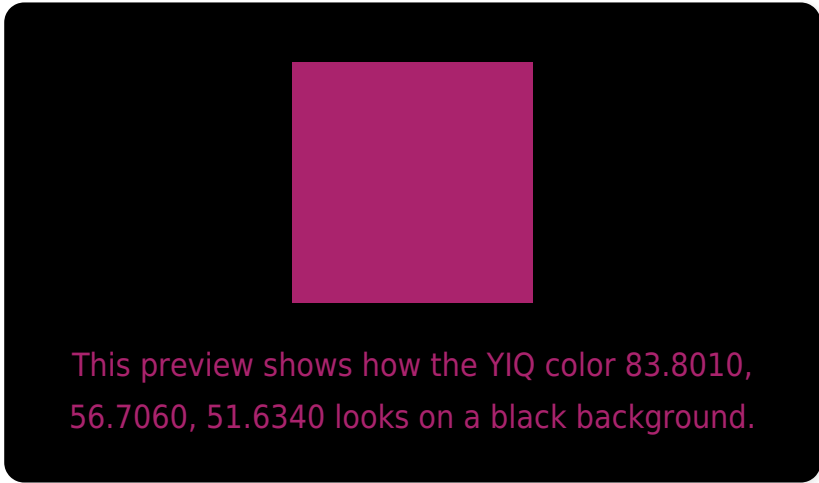
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

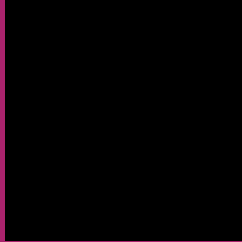
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 83.8010, 56.7060, 51.6340

Background



This preview shows how black text looks on a background with the YIQ color 83.8010, 56.7060, 51.6340.



This preview shows how white text looks on a background with the YIQ color 83.8010, 56.7060,

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

83.8010, 56.7060, 51.6340

Protanopia

92.5890, -28.9790, 13.0770

Deuteranopia

94.6460, 1.2370, 5.1170



Tritanopia

86.4280, 66.9810, 25.1010

Trichromacy



Original Color

83.8010, 56.7060, 51.6340

Protanomaly

89.1310, 2.1500, 27.1260

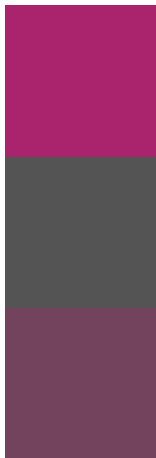
Deuteranomaly

91.0220, 21.2700, 22.0220

Tritanomaly

85.4850, 62.8070, 34.6710

Monochromacy



Original Color

83.8010, 56.7060, 51.6340

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

83.7290, 20.5370, 18.7850

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.8010, 56.7060, 51.6340 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(170, 35, 109)` looks like.

```
.text, #text, p{  
    color:rgb(170, 35, 109)  
}
```

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(170, 35, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 35, 109) }
```

Border

The CSS property to change the border of an element to YIQ 83.8010, 56.7060, 51.6340 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(170, 35, 109) }
```


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

```
.border{ border-color:rgb(170, 35, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 35, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 35, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 35, 109);  
box-shadow:4px 4px 4px 4px rgb(170, 35,  
109) }
```

Background

The CSS property to change the background color of an element to YIQ 83.8010, 56.7060, 51.6340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 35, 109) }
```

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

```
.background{ background-color: rgb(170, 35,  
109) }
```

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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