

Converting Colors

YIQ(116.5830, 60.5560, 58.9560)

Have a look what the booklet for
YIQ(116.5830, 60.5560, 58.9560)
contains.

YIQ(116.5830, 60.5560, 58.9560)	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(116.5830, 60.5560,
58.9560)**

Conversions

Conversions Part 1

Format	Color
Hex	D33E96
RGB	211, 62, 150
RGB Percent	83%, 24%, 59%
CMY	0.1721, 0.7571, 0.4116
CMYK	0.00, 0.71, 0.29, 0.17
HSL	325°, 63%, 54%
HSV	325°, 71%, 83%
XYZ	34.1217, 19.5062, 30.8394
YIQ	116.5830, 60.5560, 58.9560

Conversions

Conversions Part 2

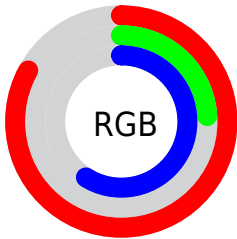
Format	Color
RYB	211, 62, 150
Decimal	13844118
CIELab	51.27, 65.38, -15.35
CIELCh	51, 67.162, 346.784
Yxy	19.5062, 0.4040, 0.2309
Android (android.graphics.Color)	4292034198 (0xFFD33E96)
YUV	116.5830, 16.4746, 82.8037
Hunter-Lab	44.1658, 60.6155, -10.4839

Details

The YIQ color **116.5830, 60.5560, 58.9560** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **156.4170, -60.5560, -58.9560**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.5280, 53.2210, 54.2210**, and **56.7340, 58.8130, 63.0130** is the 20% darker color. If you saturate the color by 10%, you get **103.2300, 69.2200, 67.1400**, and if you desaturate by 10%, it is **129.9360, 51.8920, 50.7720**.

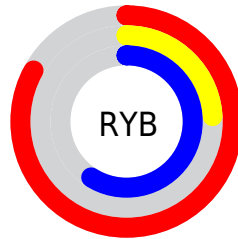
Distribution



Red (83%)

Green (24%)

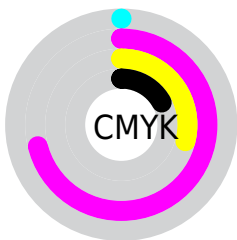
Blue (59%)



Red (83%)

Yellow (24%)

Blue (59%)

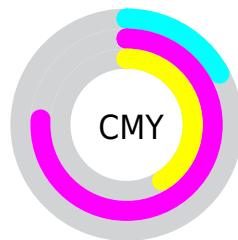


Cyan (0%)

Magenta (71%)

Yellow (29%)

Black (17%)



Cyan (17%)


Magenta (76%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 116.5830, 60.5560, 58.9560 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 116.5830, 60.5560, 58.9560 by changing the saturation by 10% instead.


 116.5830, 60.5560,
58.9560


 116.5830, 60.5560,
58.9560


255.0000, -0.0000,
-0.0000


 82.9300, 61.1970,
63.8610


 170.5280, 53.2210,
54.2210


 56.7340, 58.8130,
63.0130


 190.1560, 36.5330,
48.2850


 45.3270, 49.2330,
49.4010


 209.8010, 21.1750,
40.2710

 34.3330, 39.9280,
36.3120

 226.8240, 13.2000,
25.1040

 24.2790, 30.8520,
24.5800

 244.4340, 4.9500,
9.4140

 12.4870, 23.7940,
9.3140

 0.0000, 0.0000,

0.0000

■ 116.5830, 60.5560,
58.9560

■ 116.5830, 60.5560,
58.9560

■ 103.2300, 69.2200,
67.1400

■ 129.9360, 51.8920,
50.7720

■ 89.9910, 77.5630,
75.6350

■ 143.1750, 43.5490,
42.2770

■ 77.3390, 85.6310,
83.6070

■ 156.5280, 34.8850,
34.0930

■ 169.8810, 26.2210,
25.9090

■ 183.1200, 17.8780,
17.4140

■ 197.0600, 8.9390,
8.7070

■ 210.4130, 0.2750,
0.5230

■ 223.6520, -8.0680,
-7.9720

■ 237.0050,
-16.7320, -16.1560

Harmonies

Analogous

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



124.8940, 8.1520, 50.5200



116.5830, 60.5560, 58.9560



111.9120, 86.8300, 45.3420

Triad

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



116.5830, 60.5560, 58.9560



110.7060, 34.2570, -42.6630



108.4850, -105.6800, -12.0800

Complementary

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



116.5830, 60.5560, 58.9560



156.4170, -60.5560, -58.9560

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.



104.4320, -90.1340, -29.5100



116.5830, 60.5560, 58.9560



98.7880, -24.9320, -54.7880

Square

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



116.5830, 60.5560, 58.9560



114.8020, 69.8780, -21.9140



96.4180, -70.3240, -47.1240



106.6220, -112.8350, 1.9570

Rectangle

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



116.5830, 60.5560, 58.9560



113.8080, 89.2180, 24.0820



96.4180, -70.3240, -47.1240



107.9490, -101.4150, -17.7910

Sweetspot

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



116.5830, 60.5560, 58.9560



220.7940, 21.9120, 21.4000



96.9260, -12.0690, 59.0590



107.6200, 13.2940, 12.3820



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



116.5830, 60.5560, 58.9560



117.4750, 88.2440, 85.8120



108.2610, 83.9890, 36.2530



97.9730, 4.6300, 4.1980



61.5180, 68.3490, 66.4050



14.9950, 16.7320, 16.1560

Inverse Universe

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



116.5830, 60.5560, 58.9560



117.4750, 88.2440, 85.8120



164.7390, -83.9890, -36.2530



97.9730, 4.6300, 4.1980



61.5180, 68.3490, 66.4050



14.9950, 16.7320, 16.1560

Previews

White Background



This preview shows how the YIQ color 116.5830, 60.5560, 58.9560 looks on a white background.

Color Contrast Check

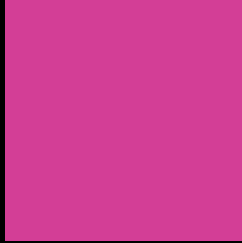
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 116.5830, 60.5560, 58.9560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

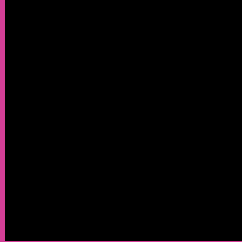
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 116.5830, 60.5560, 58.9560

Background



This preview shows how black text looks on a background with the YIQ color 116.5830, 60.5560, 58.9560.



This preview shows how white text looks on a background with the YIQ color 116.5830, 60.5560,

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

116.5830, 60.5560, 58.9560

Protanopia

121.1460, -37.7370, 17.6150

Deuteranopia

124.0030, -4.0820, 7.9020



Tritanopia

118.2440, 73.4910, 28.2670

Trichromacy



Original Color

116.5830, 60.5560, 58.9560



Protanomaly

119.5530, -1.7940, 32.5260



Deuteranomaly

121.2870, 19.2060, 26.3900



Tritanomaly

117.4690, 68.9040, 39.8160

Monochromacy



Original Color

116.5830, 60.5560, 58.9560



Achromatopsia

117.0000, -0.0000, 0.0000



Achromatomaly

116.7940, 21.9120, 21.4000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.5830, 60.5560, 58.9560 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(211, 62, 150)` looks like.

```
.text, #text, p{  
    color:rgb(211, 62, 150)  
}
```

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(211, 62, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 62, 150) }
```

Border

The CSS property to change the border of an element to YIQ 116.5830, 60.5560, 58.9560 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(211, 62, 150) }
```


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

```
.border{ border-color:rgb(211, 62, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 62, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 62, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 62, 150);  
box-shadow:4px 4px 4px 4px rgb(211, 62,  
150) }
```

Background

The CSS property to change the background color of an element to YIQ 116.5830, 60.5560, 58.9560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 62, 150) }
```

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

```
.background{ background-color: rgb(211, 62,  
150) }
```

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