

Converting Colors

YIQ(65.8850, 100.6280, 59.6040)

Have a look what the booklet for
YIQ(65.8850, 100.6280, 59.6040)
contains.

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Color

**YIQ(65.8850, 100.6280,
59.6040)**

Conversions

Conversions Part 1

Format	Color
Hex	C70038
RGB	199, 0, 56
RGB Percent	78%, 0%, 22%
CMY	0.2191, 0.9998, 0.7800
CMYK	0.00, 1.00, 0.72, 0.22
HSL	343°, 100%, 39%
HSV	343°, 100%, 78%
XYZ	24.3036, 12.4463, 4.8745
YIQ	65.8850, 100.6280, 59.6040

Conversions

Conversions Part 2

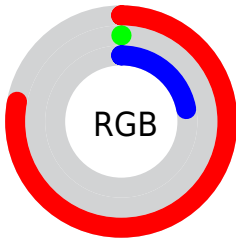
Format	Color
RYB	199, 0, 56
Decimal	13041720
CIELab	41.92, 67.72, 28.84
CIElCh	42, 73.602, 23.070
Yxy	12.4463, 0.5839, 0.2990
Android (android.graphics.Color)	4291231800 (0xFFC70038)
YUV	65.8850, -4.8733, 116.7419
Hunter-Lab	35.2793, 61.2286, 16.5035

Details

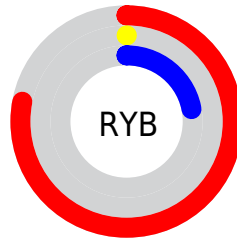
The YIQ color **65.8850, 100.6280, 59.6040** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **133.1150, -100.6280, -59.6040**, and the grayscale version is **66.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.8820, 95.5420, 41.6380**, and **42.3740, 76.2410, 33.4970** is the 20% darker color. If you saturate the color by 10%, you get **65.8850, 100.6280, 59.6040**, and if you desaturate by 10%, it is **79.2210, 90.6340, 53.4980**.

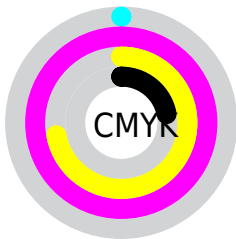
Distribution



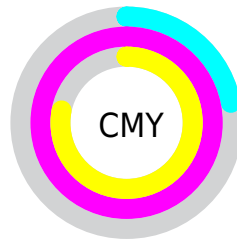
- Red (78%)
- Green (0%)
- Blue (22%)



- Red (78%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 65.8850, 100.6280, 59.6040 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 65.8850, 100.6280, 59.6040 by changing the saturation by 10% instead.


 65.8850, 100.6280,
59.6040


 65.8850, 100.6280,
59.6040


255.0000, -0.0000,
-0.0000


 54.2220, 88.8930,
46.5010


 137.8820, 95.5420,
41.6380


 42.3740, 76.2410,
33.4970


 158.3420, 79.2670,
33.7230


 31.3950, 62.5800,
22.2600


 178.3290, 62.9460,
26.6420

 23.0660, 44.3330,
17.0450

 198.3160, 46.6250,
19.5610

 13.5690, 26.4990,
9.8510

 218.5310, 29.6620,
13.1020

 0.0000, 0.0000,
0.0000

 239.3330, 12.4240,

6.1200

■ 65.8850, 100.6280,
59.6040

■ 79.2210, 90.6340,
53.4980

■ 92.6710, 80.3190,
47.7030

■ 106.0070, 70.3250,
41.5970

■ 119.3430, 60.3310,
35.4910

■ 132.7930, 50.0160,
29.6960

■ 146.1290, 40.0220,
23.5900

■ 158.8780, 30.3030,
18.0070

■ 172.3280, 19.9880,
12.2120

■ 185.6640, 9.9940,
6.1060

Harmonies

Analogous

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



71.8280, 79.5800, 77.6280



65.8850, 100.6280, 59.6040



88.1320, 87.5250, 5.1970

Triad

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



65.8850, 100.6280, 59.6040



70.7650, -35.2930, -59.7490



90.3510, -101.4660, 10.6780

Complementary

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



65.8850, 100.6280, 59.6040



133.1150, -100.6280, -59.6040

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.



93.3710, -96.1910, -2.3270



65.8850, 100.6280, 59.6040



81.5490, -60.1470, -38.8270

Square

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



65.8850, 100.6280, 59.6040



86.7070, 15.3210, -40.8950



89.3180, -80.6450, -19.7570



88.3710, -68.6870, 27.8650

Rectangle

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



65.8850, 100.6280, 59.6040



93.2720, 65.9790, -11.8210



89.3180, -80.6450, -19.7570



92.7160, -101.2360, 6.5080

Sweetspot

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



65.8850, 100.6280, 59.6040



204.1180, 38.5550, 22.6430



65.4430, 21.3490, 92.2050



97.2360, 23.2430, 13.7950



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.



65.8850, 100.6280, 59.6040



84.4530, 128.8680, 76.4520



84.7420, 106.7790, 19.6990



92.9190, 4.7220, 2.5300



53.9810, 82.3820, 48.8620



11.9040, 18.2460, 10.7420

Inverse Universe

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



65.8850, 100.6280, 59.6040



84.4530, 128.8680, 76.4520



114.2580, -106.7790, -19.6990



92.9190, 4.7220, 2.5300



53.9810, 82.3820, 48.8620



11.9040, 18.2460, 10.7420

Previews

White Background



This preview shows how the YIQ color 65.8850, 100.6280, 59.6040 looks on a white background.

Color Contrast Check

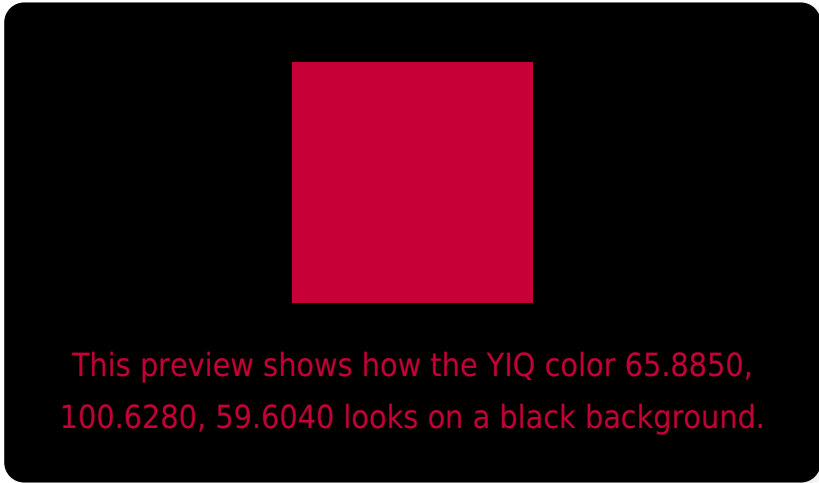
Large Text (above 18pt) WCAG AA ✓ Pass

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 65.8850, 100.6280, 59.6040

Background



This preview shows how black text looks on a background with the YIQ color 65.8850, 100.6280, 59.6040.

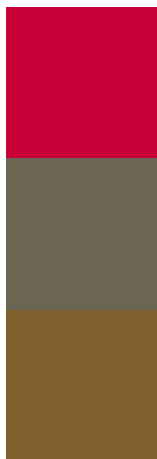


This preview shows how white text looks on a background with the YIQ color 65.8850, 100.6280,

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

65.8850, 100.6280, 59.6040

Protanopia

100.8560, 9.0330, -4.0150

Deuteranopia

98.9710, 33.3340, -9.4020



Tritanopia

74.6410, 106.2260, 35.2340

Trichromacy



Original Color

65.8850, 100.6280, 59.6040

Protanomaly

88.1630, 42.6820, 19.4340

Deuteranomaly

86.9550, 57.7670, 15.8710

Tritanomaly

71.5410, 103.9320, 43.7720

Monochromacy



Original Color

65.8850, 100.6280, 59.6040

Achromatopsia

66.0000, -0.0000, -0.0000

Achromatomaly

65.8080, 36.4920, 21.4840

CSS Examples

Text

The CSS property to change the color of the text to YIQ 65.8850, 100.6280, 59.6040 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(199, 0, 56)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 56)  
}
```

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(199, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 56) }
```

Border

The CSS property to change the border of an element to YIQ 65.8850, 100.6280, 59.6040 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(199, 0, 56) }
```


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

```
.border{ border-color:rgb(199, 0, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 0, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 56)  
}
```

Background

The CSS property to change the background color of an element to YIQ 65.8850, 100.6280, 59.6040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 56) }
```

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

```
.background{ background-color: rgb(199, 0,  
56) }
```

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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