

Converting Colors

YIQ(70.6830, 89.2130, 51.7170)

Have a look what the booklet for
YIQ(70.6830, 89.2130, 51.7170)
contains.

YIQ(70.6830, 89.2130, 51.7170)	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(70.6830, 89.2130,
51.7170)**

Conversions

Conversions Part 1

Format	Color
Hex	BC0D3C
RGB	188, 13, 60
RGB Percent	74%, 5%, 24%
CMY	0.2623, 0.9492, 0.7644
CMYK	0.00, 0.93, 0.68, 0.26
HSL	344°, 87%, 39%
HSV	344°, 93%, 74%
XYZ	21.7278, 11.3189, 5.3258
YIQ	70.6830, 89.2130, 51.7170

Conversions

Conversions Part 2

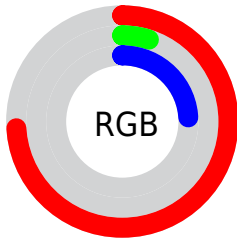
Format	Color
RYB	188, 13, 60
Decimal	12324156
CIELab	40.11, 63.86, 23.60
CIELCh	40, 68.082, 20.285
Yxy	11.3189, 0.5662, 0.2950
Android (android.graphics.Color)	4290514236 (0xFFBC0D3C)
YUV	70.6830, -5.2667, 102.8870
Hunter-Lab	33.6435, 56.4033, 14.1649

Details

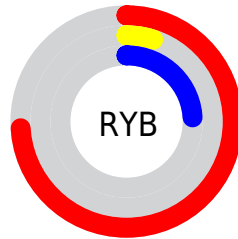
The YIQ color **70.6830, 89.2130, 51.7170** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **130.3170, -89.2130, -51.7170**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.7290, 91.5990, 41.5110**, and **39.8400, 68.9970, 32.6210** is the 20% darker color. If you saturate the color by 10%, you get **62.0260, 95.6770, 55.7170**, and if you desaturate by 10%, it is **83.4320, 79.4940, 46.1340**.

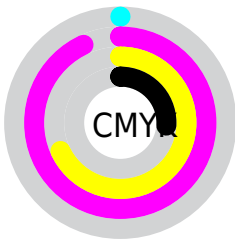
Distribution



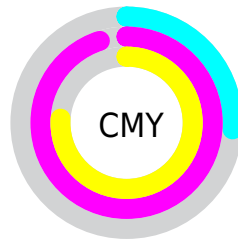
- Red (74%)
- Green (5%)
- Blue (24%)



- Red (74%)
- Yellow (5%)
- Blue (24%)



- Cyan (0%)
- Magenta (93%)
- Yellow (68%)
- Black (26%)





- Cyan (26%)
- Magenta (95%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 70.6830, 89.2130, 51.7170 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 70.6830, 89.2130, 51.7170 by changing the saturation by 10% instead.


 70.6830, 89.2130,
51.7170


 70.6830, 89.2130,
51.7170


255.0000, -0.0000,
-0.0000


 51.3890, 81.0530,
45.4130


 137.7290, 91.5990,
41.5110


 39.8400, 68.9970,
32.6210


 158.7980, 77.9830,
34.9670


 28.7040, 57.2160,
20.3520

 178.7850, 61.6620,
27.8860

 20.6740, 39.5650,
15.3490

 198.8860, 45.0200,
21.1160

 10.5790, 20.5390,
7.7310

 219.1010, 28.0570,
14.6570

 0.0000, 0.0000,
0.0000

 239.3160, 11.0940,

8.1980

■ 70.6830, 89.2130,
51.7170

■ 70.6830, 89.2130,
51.7170

■ 62.0260, 95.6770,
55.7170

■ 83.4320, 79.4940,
46.1340

■ 96.1810, 69.7750,
40.5510

■ 108.2290, 60.6520,
35.1800

■ 120.9780, 50.9330,
29.5970

■ 133.7270, 41.2140,
24.0140

■ 146.4760, 31.4950,
18.4310

■ 159.1110, 22.0970,
12.5370

■ 171.2730, 12.6530,
7.4770

■ 184.0220, 2.9340,
1.8940

Harmonies

Analogous

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



71.6370, 69.6320, 70.6880



70.6830, 89.2130, 51.7170



83.6910, 84.4530, 5.8050

Triad

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



70.6830, 89.2130, 51.7170



66.3140, -32.4050, -57.0210



86.2930, -95.5510, 8.1050

Complementary

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



70.6830, 89.2130, 51.7170



130.3170, -89.2130, -51.7170

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.



88.6120, -89.6800, -4.6880



70.6830, 89.2130, 51.7170



77.1150, -55.9290, -38.1770

Square

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



70.6830, 89.2130, 51.7170



84.3810, 19.3550, -36.9090



84.3140, -74.8220, -20.6620



79.8380, -77.6720, 19.9920

Rectangle

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



70.6830, 89.2130, 51.7170



89.1410, 64.9700, -10.0540



84.3140, -74.8220, -20.6620



87.9570, -94.7250, 4.1470

Sweetspot

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



70.6830, 89.2130, 51.7170



198.7970, 35.0250, 20.5370



70.3250, 18.3250, 80.9250



94.5130, 20.9050, 12.1130



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



70.6830, 89.2130, 51.7170



80.7790, 124.8340, 72.4660



87.6310, 93.8500, 17.2260



87.9190, 4.7220, 2.5300



52.1440, 80.3650, 46.8690



10.1810, 15.9080, 9.0600

Inverse Universe

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



70.6830, 89.2130, 51.7170



80.7790, 124.8340, 72.4660



113.3690, -93.8500, -17.2260



87.9190, 4.7220, 2.5300



52.1440, 80.3650, 46.8690



10.1810, 15.9080, 9.0600

Previews

White Background



This preview shows how the YIQ color 70.6830, 89.2130, 51.7170 looks on a white background.

Color Contrast Check

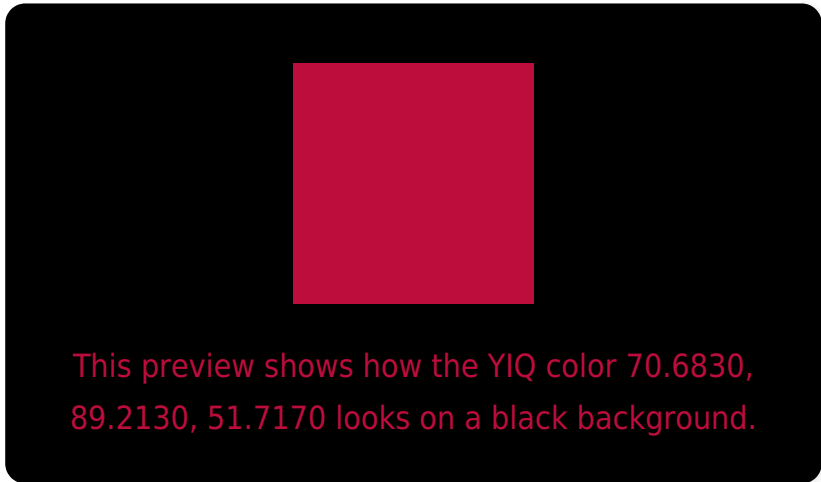
Large Text (above 18pt) WCAG AA ✓ Pass

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

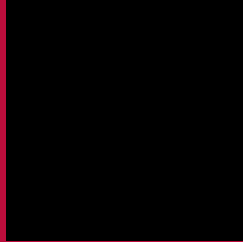
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 70.6830, 89.2130, 51.7170

Background



This preview shows how black text looks on a background with the YIQ color 70.6830, 89.2130, 51.7170.



This preview shows how white text looks on a background with the YIQ color 70.6830, 89.2130,

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

70.6830, 89.2130, 51.7170

Protanopia

96.2840, 4.9520, -1.6400

Deuteranopia

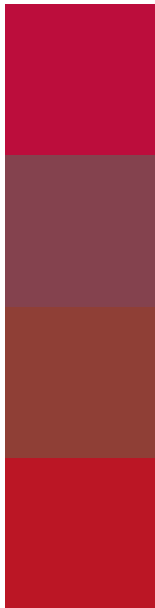
95.1000, 28.6570, -7.2390



Tritanopia

74.4980, 96.3230, 32.9870

Trichromacy



Original Color

70.6830, 89.2130, 51.7170

Protanomaly

87.1020, 35.4840, 17.7240

Deuteranomaly

85.8940, 50.5690, 14.1610

Tritanomaly

73.0450, 93.5250, 39.6450

Monochromacy



Original Color

70.6830, 89.2130, 51.7170

Achromatopsia

71.0000, -0.0000, -0.0000

Achromatomaly

71.0740, 32.6870, 18.8550

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.6830, 89.2130, 51.7170 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(188, 13, 60)` looks like.

```
.text, #text, p{  
    color:rgb(188, 13, 60)  
}
```

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(188, 13, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 13, 60) }
```

Border

The CSS property to change the border of an element to YIQ 70.6830, 89.2130, 51.7170 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(188, 13, 60) }
```


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

```
.border{ border-color:rgb(188, 13, 60) }
```

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

Here you see how a box with a 4 pixel rgb(188, 13, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 13, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 13, 60);  
box-shadow:4px 4px 4px 4px rgb(188, 13,  
60) }
```

Background

The CSS property to change the background color of an element to YIQ 70.6830, 89.2130, 51.7170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 13, 60) }
```

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

```
.background{ background-color: rgb(188, 13,  
60) }
```

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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