

Converting Colors

YIQ(78.6900, 70.1400, 50.4600)

Have a look what the booklet for
YIQ(78.6900, 70.1400, 50.4600)
contains.

YIQ(78.6900, 70.1400, 50.4600)	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(78.6900, 70.1400,
50.4600)**

Conversions

Conversions Part 1

Format	Color
Hex	B11B57
RGB	177, 27, 87
RGB Percent	69%, 11%, 34%
CMY	0.3055, 0.8943, 0.6586
CMYK	0.00, 0.85, 0.51, 0.31
HSL	336°, 74%, 40%
HSV	336°, 85%, 69%
XYZ	20.2676, 10.8290, 10.0515
YIQ	78.6900, 70.1400, 50.4600

Conversions

Conversions Part 2

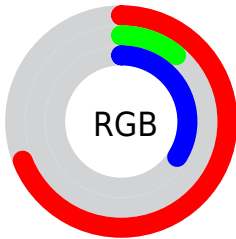
Format	Color
R_{YB}	177, 27, 87
Decimal	11606871
CIE Lab	39.29, 60.39, 4.94
CIE LCh	39, 60.594, 4.676
Yxy	10.8290, 0.4926, 0.2632
Android (android.graphics.Color)	4289796951 (0xFFB11B57)
YUV	78.6900, 4.0968, 86.2179
Hunter-Lab	32.9074, 52.3496, 4.9252

Details

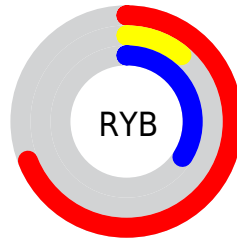
The YIQ color **78.6900, 70.1400, 50.4600** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **125.3100, -70.1400, -50.4600**, and the grayscale version is **79.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **140.1970, 72.8460, 45.4700**, and **40.0700, 56.8460, 38.0780** is the 20% darker color. If you saturate the color by 10%, you get **66.8700, 78.6210, 56.4530**, and if you desaturate by 10%, it is **90.5100, 61.6590, 44.4670**.

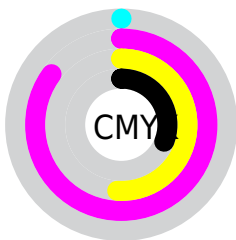
Distribution



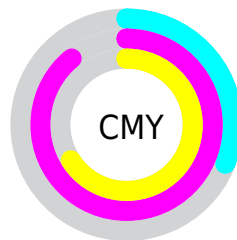
- Red (69%)
- Green (11%)
- Blue (34%)



- Red (69%)
- Yellow (11%)
- Blue (34%)



- Cyan (0%)
- Magenta (85%)
- Yellow (51%)
- Black (31%)



- Cyan (31%)
- Magenta (89%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 78.6900, 70.1400, 50.4600 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 78.6900, 70.1400, 50.4600 by changing the saturation by 10% instead.

■ 78.6900, 70.1400,
50.4600

■ 78.6900, 70.1400,
50.4600

■ 255.0000, -0.0000,
-0.0000

■ 51.2490, 67.0680,
51.0680

■ 140.1970, 72.8460,
45.4700

■ 40.0700, 56.8460,
38.0780

■ 164.6800, 66.9320,
42.5160

■ 29.1190, 45.9820,
25.7100

■ 184.1940, 50.5650,
36.2690

■ 19.1790, 36.5850,
14.2890

■ 204.2950, 33.9230,
29.4990

■ 8.1870, 15.7710,
6.0350

■ 224.6240, 16.6390,
23.3510

■ 0.0000, 0.0000,
0.0000

■ 242.6730, 5.7750,

10.9830

■ 78.6900, 70.1400,
50.4600

■ 78.6900, 70.1400,
50.4600

■ 66.8700, 78.6210,
56.4530

■ 90.5100, 61.6590,
44.4670

■ 61.0170, 82.7010,
59.6050

■ 101.6290, 53.7740,
38.6860

■ 113.4490, 45.2930,
32.6930

■ 125.2690, 36.8120,
26.7000

■ 136.9750, 28.6520,
20.3960

■ 148.2080, 20.4460,
14.9260

■ 159.9140, 12.2860,
8.6220

■ 171.7340, 3.8050,
2.6290

■ 182.9670, -4.4010,
-2.8410

Harmonies

Analogous

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



89.1500, 36.6700, 51.3100



78.6900, 70.1400, 50.4600



83.1640, 76.4720, 23.8000

Triad

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



78.6900, 70.1400, 50.4600



77.4820, 2.7130, -43.6790



84.7310, -88.3970, -0.4050

Complementary

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



78.6900, 70.1400, 50.4600



125.3100, -70.1400, -50.4600

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.



83.2030, -78.5830, -13.0710



78.6900, 70.1400, 50.4600



70.5150, -45.6120, -43.4360

Square

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



78.6900, 70.1400, 50.4600



86.2850, 37.6010, -26.1670



78.2040, -63.1290, -28.8330



78.8270, -88.3070, 8.9810

Rectangle

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



78.6900, 70.1400, 50.4600



85.0270, 74.4590, -0.3010



78.2040, -63.1290, -28.8330



84.8790, -86.0580, -4.2500

Sweetspot

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



78.6900, 70.1400, 50.4600



191.9640, 27.1850, 19.4490



70.4120, 4.2980, 65.3060



92.0610, 16.3660, 11.7740



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000

Same Dimension

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



78.6900, 70.1400, 50.4600



79.2580, 107.5480, 77.3720



78.8940, 86.1000, 25.5240



83.1470, 4.0800, 3.1520



52.7010, 71.6070, 51.4070



8.9140, 12.2860, 8.6220

Inverse Universe

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



78.6900, 70.1400, 50.4600



79.2580, 107.5480, 77.3720



125.1060, -86.1000, -25.5240



83.1470, 4.0800, 3.1520



52.7010, 71.6070, 51.4070



8.9140, 12.2860, 8.6220

Previews

White Background



This preview shows how the YIQ color 78.6900, 70.1400, 50.4600 looks on a white background.

Color Contrast Check

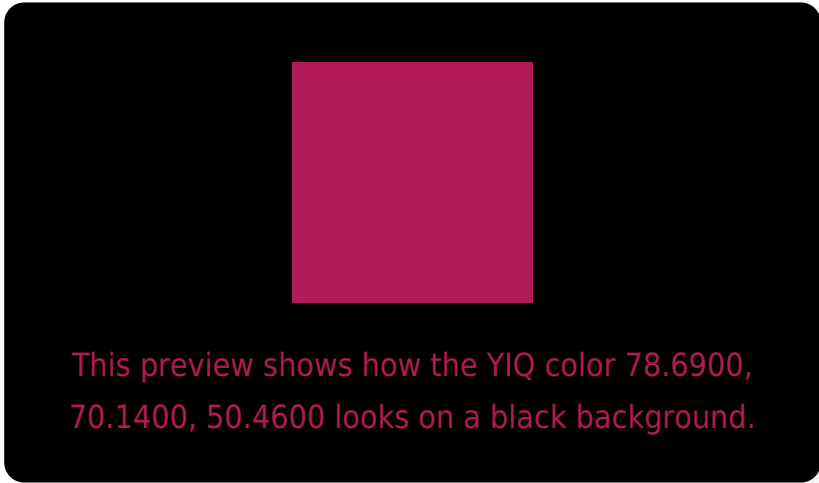
Large Text (above 18pt) WCAG AA ✓ Pass

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

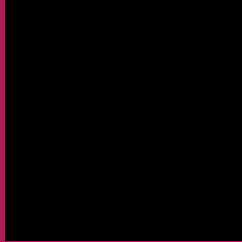
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 78.6900, 70.1400, 50.4600

Background



This preview shows how black text looks on a background with the YIQ color 78.6900, 70.1400, 50.4600.



This preview shows how white text looks on a background with the YIQ color 78.6900, 70.1400,

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

78.6900, 70.1400, 50.4600

Protanopia

94.2130, -13.4810, 7.5350

Deuteranopia

94.2420, 13.9380, 0.7060



Tritanopia

81.1800, 79.5430, 28.7190

Trichromacy



Original Color

78.6900, 70.1400, 50.4600

Protanomaly

88.5100, 16.9600, 23.0400

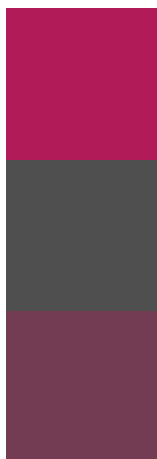
Deuteranomaly

88.5580, 34.2000, 18.9680

Tritanomaly

80.3680, 76.3780, 36.5220

Monochromacy



Original Color

78.6900, 70.1400, 50.4600

Achromatopsia

79.0000, -0.0000, 0.0000

Achromatomaly

78.9530, 25.7180, 18.5020

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.6900, 70.1400, 50.4600 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(177, 27, 87)` looks like.

```
.text, #text, p{  
    color:rgb(177, 27, 87)  
}
```

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(177, 27, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 27, 87) }
```

Border

The CSS property to change the border of an element to YIQ 78.6900, 70.1400, 50.4600 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(177, 27, 87) }
```


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

```
.border{ border-color:rgb(177, 27, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 27, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 27, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 27, 87);  
box-shadow:4px 4px 4px 4px rgb(177, 27,  
87) }
```

Background

The CSS property to change the background color of an element to YIQ 78.6900, 70.1400, 50.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 27, 87) }
```

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

```
.background{ background-color: rgb(177, 27,  
87) }
```

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