

Converting Colors

YIQ(88.5800, 31.3890, 97.4770)

Have a look what the booklet for
YIQ(88.5800, 31.3890, 97.4770)
contains.

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Color

**YIQ(88.5800, 31.3890,
97.4770)**

Conversions

Conversions Part 1

Format	Color
Hex	B311DC
RGB	179, 17, 220
RGB Percent	70%, 7%, 86%
CMY	0.2975, 0.9336, 0.1373
CMYK	0.19, 0.92, 0.00, 0.14
HSL	288°, 86%, 46%
HSV	288°, 92%, 86%
XYZ	31.7372, 15.1649, 68.9588
YIQ	88.5800, 31.3890, 97.4770

Conversions

Conversions Part 2

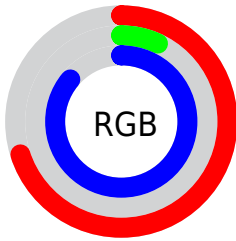
Format	Color
R_{YB}	179, 17, 220
Decimal	11735516
CIE _{Lab}	45.86, 80.25, -65.10
CIE _{LCh}	46, 103.331, 320.949
Yxy	15.1649, 0.2739, 0.1309
Android (android.graphics.Color)	4289925596 (0xFFB311DC)
YUV	88.5800, 64.7901, 79.2983
Hunter-Lab	38.9422, 77.3254, -77.7311

Details

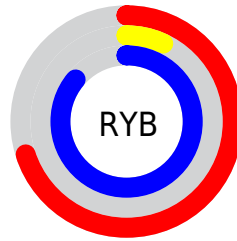
The YIQ color **88.5800, 31.3890, 97.4770** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **148.4200, -31.3890, -97.4770**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **155.1220, 35.0140, 81.3340**, and **54.5760, 18.8760, 76.4440** is the 20% darker color. If you saturate the color by 10%, you get **77.7040, 34.2760, 105.7320**, and if you desaturate by 10%, it is **102.9890, 28.3190, 87.0310**.

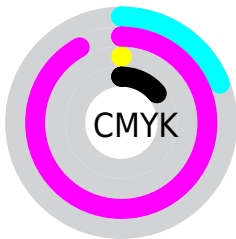
Distribution



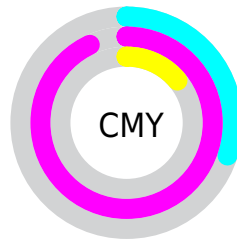
- Red (70%)
- Green (7%)
- Blue (86%)



- Red (70%)
- Yellow (7%)
- Blue (86%)



- Cyan (19%)
- Magenta (92%)
- Yellow (0%)
- Black (14%)





- Cyan (30%)
- Magenta (93%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 88.5800, 31.3890, 97.4770 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 88.5800, 31.3890, 97.4770 by changing the saturation by 10% instead.


 88.5800, 31.3890,
97.4770


 88.5800, 31.3890,
97.4770


255.0000, -0.0000,
-0.0000


 66.7380, 27.7680,
91.5120

 155.1220, 35.0140,
81.3340


 54.5760, 18.8760,
76.4440


 177.5160, 36.3000,
69.0360


 42.8270, 10.2590,
61.8990


 195.1260, 28.0500,
53.3460

 30.7790, 1.0460,
47.1420

 212.1490, 20.0750,
38.1790

 18.9590, -8.8090,
33.0070

 229.7590, 11.8250,
22.4890

 6.9540, -19.5810,
18.9710

 247.3690, 3.5750,

 5.5060, -12.7480,

6.7990

10.7720

■ 2.2970, -5.0900,
4.1420

■ 0.0000, 0.0000,
0.0000

■ 88.5800, 31.3890,
97.4770

■ 88.5800, 31.3890,
97.4770

■ 77.7040, 34.2760,
105.7320

■ 102.9890, 28.3190,
87.0310

■ 117.0990, 24.6530,
76.3730

■ 131.2090, 20.9870,
65.7150

■ 145.6180, 17.9170,
55.2690

■ 159.7280, 14.2510,
44.6110

■ 174.1370, 11.1810,
34.1650

■ 188.2470, 7.5150,
23.5070

■ 202.6560, 4.4450,
13.0610

■ 216.7660, 0.7790,
2.4030

Harmonies

Analogous

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



87.1830, -109.0800, 27.5280



88.5800, 31.3890, 97.4770



87.9050, 99.0170, 94.3210

Triad

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



88.5800, 31.3890, 97.4770



102.3980, 65.3840, -17.5600



102.0330, -93.0240, -21.1840

Complementary

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



88.5800, 31.3890, 97.4770



148.4200, -31.3890, -97.4770

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.



90.0120, -63.3090, -47.6050



88.5800, 31.3890, 97.4770



93.1420, 9.3620, -48.5420

Square

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



88.5800, 31.3890, 97.4770



83.0580, 117.8730, 27.8970



78.6580, -36.8500, -70.0820



110.1100, -117.1450, 2.9750

Rectangle

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



88.5800, 31.3890, 97.4770



83.7990, 122.0820, 78.2900



78.6580, -36.8500, -70.0820



98.1400, -83.4400, -29.6800

Sweetspot

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



88.5800, 31.3890, 97.4770



209.1370, 11.1810, 34.1650



65.9700, -77.2630, 40.1210



99.4810, 6.7360, 21.1040



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.



88.5800, 31.3890, 97.4770



90.0660, 39.7290, 122.5530



94.2270, 74.4430, 88.1310



102.6460, 1.2370, 5.1170



61.2830, 27.3110, 83.2710



16.3070, 7.2860, 22.1500

Inverse Universe

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



82.3710, 107.8270, 55.7870



82.0590, 135.6090, 69.9210



142.6590, -74.1220, -88.4420



102.5170, 5.9140, 2.9540



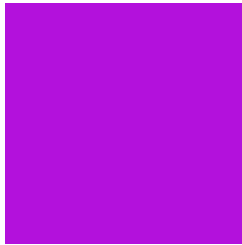
55.7170, 91.8730, 47.5610



14.7800, 24.5270, 12.5510

Previews

White Background



This preview shows how the YIQ color 88.5800, 31.3890, 97.4770 looks on a white background.

Color Contrast Check

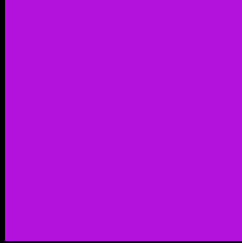
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 88.5800, 31.3890, 97.4770 looks on a 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 88.5800, 31.3890, 97.4770

Background



This preview shows how black text looks on a background with the YIQ color 88.5800, 31.3890, 97.4770.



This preview shows how white text looks on a background with the YIQ color 88.5800, 31.3890,

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

88.5800, 31.3890, 97.4770

Protanopia

87.6440, -100.7330, 13.9150

Deuteranopia

88.0880, -93.7160, 2.3800



Tritanopia

109.8100, 42.1780, 17.5540

Trichromacy



Original Color

88.5800, 31.3890, 97.4770



Protanomaly

88.1810, -52.8720, 44.1200



Deuteranomaly

88.0040, -48.2400, 37.2640



Tritanomaly

102.4720, 38.4590, 46.4190

Monochromacy



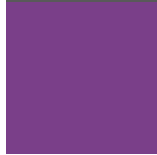
Original Color

88.5800, 31.3890, 97.4770



Achromatopsia

89.0000, -0.0000, -0.0000



Achromatomaly

89.0770, 11.4100, 35.5220

CSS Examples

Text

The CSS property to change the color of the text to YIQ 88.5800, 31.3890, 97.4770 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(179, 17, 220)` looks like.

```
.text, #text, p{  
    color:rgb(179, 17, 220)  
}
```

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(179, 17, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 17, 220) }
```

Border

The CSS property to change the border of an element to YIQ 88.5800, 31.3890, 97.4770 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(179, 17, 220) }
```


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

```
.border{ border-color:rgb(179, 17, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 17, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 17, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 17, 220);  
box-shadow:4px 4px 4px 4px rgb(179, 17,  
220) }
```

Background

The CSS property to change the background color of an element to YIQ 88.5800, 31.3890, 97.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 17, 220) }
```

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

```
.background{ background-color: rgb(179, 17,  
220) }
```

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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