

Converting Colors

YIQ(118.9930, 13.3280, 77.8720)

Have a look what the booklet for
YIQ(118.9930, 13.3280, 77.8720)
contains.

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Color

**YIQ(118.9930, 13.3280,
77.8720)**

Conversions

Conversions Part 1

Format	Color
Hex	B441ED
RGB	180, 65, 237
RGB Percent	71%, 25%, 93%
CMY	0.2937, 0.7453, 0.0707
CMYK	0.24, 0.73, 0.00, 0.07
HSL	280°, 83%, 59%
HSV	280°, 73%, 93%
XYZ	36.0156, 19.6033, 81.9907
YIQ	118.9930, 13.3280, 77.8720

Conversions

Conversions Part 2

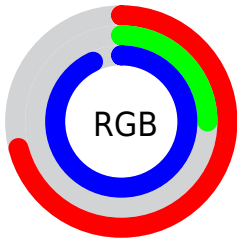
Format	Color
RYB	180, 65, 237
Decimal	11813357
CIELab	51.39, 71.36, -65.77
CIElCh	51, 97.048, 317.333
Yxy	19.6033, 0.2617, 0.1425
Android (android.graphics.Color)	4290003437 (0xFFB441ED)
YUV	118.9930, 58.1775, 53.5031
Hunter-Lab	44.2756, 67.7171, -78.8018

Details

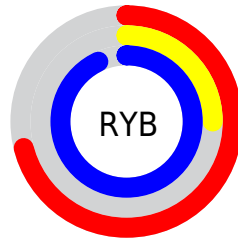
The YIQ color **118.9930, 13.3280, 77.8720** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **183.0070, -13.3280, -77.8720**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **173.0310, 27.3600, 65.8560**, and **56.9980, 14.9320, 81.8440** is the 20% darker color. If you saturate the color by 10%, you get **102.5130, 15.1600, 88.7280**, and if you desaturate by 10%, it is **135.4730, 11.4960, 67.0160**.

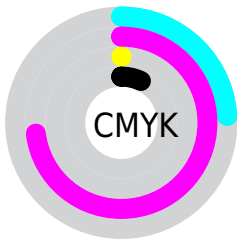
Distribution



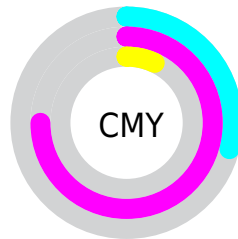
- Red (71%)
- Green (25%)
- Blue (93%)



- Red (71%)
- Yellow (25%)
- Blue (93%)



- Cyan (24%)
- Magenta (73%)
- Yellow (0%)
- Black (7%)



- Cyan (29%)
- Magenta (75%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 118.9930, 13.3280, 77.8720 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 118.9930, 13.3280, 77.8720 by changing the saturation by 10% instead.

■ 118.9930, 13.3280,
77.8720

■ 118.9930, 13.3280,
77.8720

■ 255.0000, -0.0000,
-0.0000

■ 87.0580, 14.7030,
80.4870

■ 173.0310, 27.3600,
65.8560

■ 56.9980, 14.9320,
81.8440

■ 193.9520, 28.6000,
54.3920

■ 45.1350, 6.6360,
66.9880

■ 210.9750, 20.6250,
39.2250

■ 33.2010, -2.8980,
52.5420

■ 227.9980, 12.6500,
24.0580

■ 21.2670, -12.4320,
38.0960

■ 245.0210, 4.6750,
8.8910

■ 8.5500, -24.0750,
23.3250

■ 8.1620, -17.4710,

13.7690

■ 4.4800, -9.8590,
7.9730

■ 0.0000, 0.0000,
0.0000

■ 118.9930, 13.3280,
77.8720

■ 118.9930, 13.3280,
77.8720

■ 102.5130, 15.1600,
88.7280

■ 135.4730, 11.4960,
67.0160

■ 86.6200, 16.7170,
99.0610

■ 151.3660, 9.9390,
56.6830

■ 74.5590, 18.6870,
107.4150

■ 167.8460, 8.1070,
45.8270

■ 184.0270, 5.6790,
34.7590

199.9200, 4.1220,
24.4260

216.4000, 2.2900,
13.5700

232.8800, 0.4580,
2.7140

249.3600, -1.3740,
-8.1420

251.7520, 3.3940,
-6.4460

Harmonies

Analogous

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



97.7490, -114.0300, 18.1140



118.9930, 13.3280, 77.8720



92.2070, 95.5310, 102.4350

Triad

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



118.9930, 13.3280, 77.8720



115.4440, 76.9380, -17.7020



110.3650, -97.1950, -28.1950

Complementary

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



118.9930, 13.3280, 77.8720



183.0070, -13.3280, -77.8720

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.



99.2730, -68.7180, -54.2060



118.9930, 13.3280, 77.8720



109.1670, 25.4090, -47.5110

Square

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



118.9930, 13.3280, 77.8720



100.4790, 123.6970, 21.4650



86.2890, -40.4250, -76.8810



118.3280, -120.9950, -4.3470

Rectangle

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



118.9930, 13.3280, 77.8720



88.3290, 117.9540, 87.0260



86.2890, -40.4250, -76.8810



107.1730, -88.2070, -36.9030

Sweetspot

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



118.9930, 13.3280, 77.8720



216.4470, 4.0760, 25.2600



118.0670, -70.8870, 23.6810



104.7530, 2.7940, 15.4500



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.



118.9930, 13.3280, 77.8720



102.8590, 17.5420, 100.6300



132.7300, 56.6090, 80.9370



109.3470, 0.6410, 4.9050



56.8130, 14.0150, 81.9430



16.9200, 4.1220, 24.4260

Inverse Universe

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



122.9260, 84.2150, 54.1910



107.8140, 108.5580, 70.0780



169.2700, -56.6090, -80.9370



109.6310, 5.5930, 3.2650



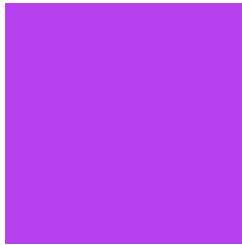
60.9590, 88.6160, 57.0320



18.1980, 26.4060, 17.0460

Previews

White Background



This preview shows how the YIQ color 118.9930, 13.3280, 77.8720 looks on a white background.

Color Contrast Check

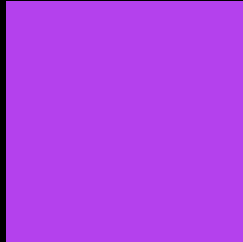
Large Text (above 18pt) WCAG AA ✓ Pass

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 118.9930, 13.3280, 77.8720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

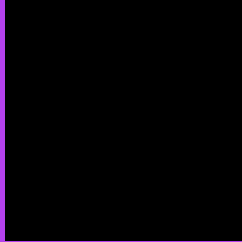
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 118.9930, 13.3280, 77.8720

Background



This preview shows how black text looks on a background with the YIQ color 118.9930, 13.3280, 77.8720.



This preview shows how white text looks on a background with the YIQ color 118.9930, 13.3280,

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

118.9930, 13.3280, 77.8720

Protanopia

97.7660, -112.7000, 16.0360

Deuteranopia

98.4550, -104.9950, 3.0450



Tritanopia

124.7590, 29.0200, 13.7240

Trichromacy



Original Color

118.9930, 13.3280, 77.8720



Protanomaly

105.4780, -67.1300, 38.1980



Deuteranomaly

105.6600, -62.1310, 30.1970



Tritanomaly

122.4760, 23.4680, 37.2600

Monochromacy



Original Color

118.9930, 13.3280, 77.8720



Achromatopsia

119.0000, -0.0000, 0.0000



Achromatomaly

118.7400, 4.8090, 28.4970

CSS Examples

Text

The CSS property to change the color of the text to YIQ 118.9930, 13.3280, 77.8720 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(180, 65, 237)` looks like.

```
.text, #text, p{  
    color:rgb(180, 65, 237)  
}
```

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(180, 65, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 65, 237) }
```

Border

The CSS property to change the border of an element to YIQ 118.9930, 13.3280, 77.8720 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(180, 65, 237) }
```


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

```
.border{ border-color:rgb(180, 65, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 65, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 65, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 65, 237);  
box-shadow:4px 4px 4px 4px rgb(180, 65,  
237) }
```

Background

The CSS property to change the background color of an element to YIQ 118.9930, 13.3280, 77.8720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 65, 237) }
```

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

```
.background{ background-color: rgb(180, 65,  
237) }
```

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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