

Converting Colors

YIQ(83.5160, 29.4140, 116.7580)

Have a look what the booklet for
YIQ(83.5160, 29.4140, 116.7580)
contains.

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Color

**YIQ(83.5160, 29.4140,
116.7580)**

Conversions

Conversions Part 1

Format	Color
Hex	B800FA
RGB	184, 0, 250
RGB Percent	72%, 0%, 98%
CMY	0.2778, 1.0000, 0.0197
CMYK	0.26, 1.00, 0.00, 0.02
HSL	284°, 100%, 49%
HSV	284°, 100%, 98%
XYZ	37.0557, 17.1099, 91.7759
YIQ	83.5160, 29.4140, 116.7580

Conversions

Conversions Part 2

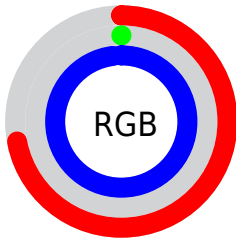
Format	Color
RYB	184, 0, 250
Decimal	12058874
CIELab	48.40, 87.69, -77.89
CIElCh	48, 117.287, 318.385
Yxy	17.1099, 0.2539, 0.1172
Android (android.graphics.Color)	4290248954 (0xFFB800FA)
YUV	83.5160, 82.0766, 88.1245
Hunter-Lab	41.3642, 87.5202, -102.5935

Details

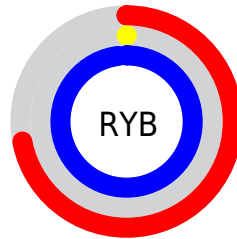
The YIQ color **83.5160, 29.4140, 116.7580** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **166.4840, -29.4140, -116.7580**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **156.6280, 39.4610, 83.3410**, and **58.6650, 11.6760, 85.7880** is the 20% darker color. If you saturate the color by 10%, you get **83.5160, 29.4140, 116.7580**, and if you desaturate by 10%, it is **100.2840, 26.7110, 105.1670**.

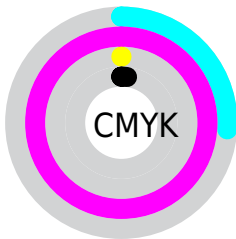
Distribution



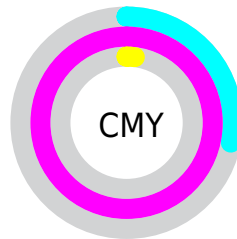
- Red (72%)
- Green (0%)
- Blue (98%)



- Red (72%)
- Yellow (0%)
- Blue (98%)



- Cyan (26%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (28%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 83.5160, 29.4140, 116.7580 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 83.5160, 29.4140, 116.7580 by changing the saturation by 10% instead.


 83.5160, 29.4140,
116.7580


 83.5160, 29.4140,
116.7580


255.0000, -0.0000,
-0.0000


 71.2400, 20.8430,
101.3790


 156.6280, 39.4610,
83.3410


 58.6650, 11.6760,
85.7880


 177.5160, 36.3000,
69.0360

 46.5030, 2.7840,
70.7200


 195.1260, 28.0500,
53.3460

 33.5580, -8.2170,
55.3270

 212.7360, 19.8000,
37.6560

 19.7160, -21.0060,
39.2980

 230.3460, 11.5500,
21.9660

 9.6900, -27.2850,
26.4350

 247.9560, 3.3000,

 10.3620, -20.9100,

6.2760

15.5220

■ 5.5060, -12.7480,
10.7720

■ 2.1830, -4.7690,
3.8310

■ 83.5160, 29.4140,
116.7580

■ 100.2840, 26.7110,
105.1670

■ 116.7530, 23.4120,
93.3640

■ 133.5210, 20.7090,
81.7730

■ 149.9900, 17.4100,
69.9700

■ 166.7580, 14.7070,
58.3790

■ 183.5260, 12.0040,
46.7880

■ 199.9950, 8.7050,
34.9850

■ 216.7630, 6.0020,
23.3940

■ 233.2320, 2.7030,
11.5910

Harmonies

Analogous

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



93.0530, -111.8300, 22.2980



83.5160, 29.4140, 116.7580



94.2570, 101.2620, 103.1980

Triad

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



83.5160, 29.4140, 116.7580



108.3670, 75.8370, -14.2670



108.1140, -97.7460, -23.7140

Complementary

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



83.5160, 29.4140, 116.7580



166.4840, -29.4140, -116.7580

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.



94.3830, -63.2160, -54.8000



83.5160, 29.4140, 116.7580



99.6430, 12.2050, -50.5070

Square

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



83.5160, 29.4140, 116.7580



70.8630, 141.2520, 50.2440



83.3540, -39.0500, -74.2660



117.1200, -123.1050, 0.8550

Rectangle

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



83.5160, 29.4140, 116.7580



86.8470, 122.1270, 82.9830



83.3540, -39.0500, -74.2660



103.6510, -86.5570, -33.7650

Sweetspot

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



83.5160, 29.4140, 116.7580



204.4080, 8.9800, 35.5080



67.8290, -98.6750, 42.7090



97.1110, 4.9020, 21.3020



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.



83.5160, 29.4140, 116.7580



85.2820, 30.1930, 119.1610



96.6380, 87.3680, 112.7120



116.4720, 1.7870, 6.1630



63.1070, 22.1750, 88.2470



20.4090, 7.2390, 28.5110

Inverse Universe

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



82.2740, 127.8140, 73.5260



83.8830, 130.4730, 74.8970



153.3620, -87.3680, -112.7120



116.3430, 6.4640, 4.0000



62.2110, 96.5940, 55.6180



20.0630, 31.2200, 17.9080

Previews

White Background



This preview shows how the YIQ color 83.5160, 29.4140, 116.7580 looks on a white background.

Color Contrast Check

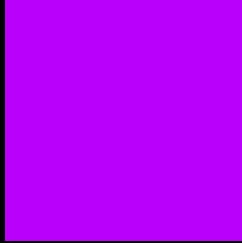
Large Text (above 18pt) WCAG AA ✓ Pass

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 83.5160, 29.4140, 116.7580 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 83.5160, 29.4140, 116.7580

Background



This preview shows how black text looks on a background with the YIQ color 83.5160, 29.4140, 116.7580.



This preview shows how white text looks on a background with the YIQ color 83.5160, 29.4140,

116.7580.

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

83.5160, 29.4140, 116.7580

Protanopia

92.6480, -106.5560, 14.8200

Deuteranopia

93.3370, -98.8510, 1.8290



Tritanopia

117.6350, 35.3010, 15.5330

Trichromacy



Original Color

83.5160, 29.4140, 116.7580

Protanomaly

89.1840, -56.9540, 52.0220

Deuteranomaly

89.9530, -52.2300, 43.4980

Tritanomaly

104.9370, 32.9560, 52.5400

Monochromacy



Original Color

83.5160, 29.4140, 116.7580

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

83.4070, 10.7210, 42.5050

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.5160, 29.4140, 116.7580 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(184, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 250)  
}
```

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(184, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 250) }
```

Border

The CSS property to change the border of an element to YIQ 83.5160, 29.4140, 116.7580 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(184, 0, 250) }
```


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

```
.border{ border-color:rgb(184, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
250) }
```

Background

The CSS property to change the background color of an element to YIQ 83.5160, 29.4140, 116.7580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 250) }
```

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

```
.background{ background-color: rgb(184, 0,  
250) }
```

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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