

Converting Colors

YIQ(82.8750, 29.7810, 115.6130)

Have a look what the booklet for
YIQ(82.8750, 29.7810, 115.6130)
contains.

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Color

**YIQ(82.8750, 29.7810,
115.6130)**

Conversions

Conversions Part 1

Format	Color
Hex	B700F7
RGB	183, 0, 247
RGB Percent	72%, 0%, 97%
CMY	0.2818, 1.0000, 0.0314
CMYK	0.26, 1.00, 0.00, 0.03
HSL	284°, 100%, 48%
HSV	284°, 100%, 97%
XYZ	36.3498, 16.8000, 89.3075
YIQ	82.8750, 29.7810, 115.6130

Conversions

Conversions Part 2

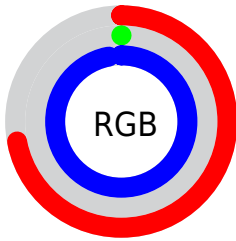
Format	Color
RYB	183, 0, 247
Decimal	11993335
CIELab	48.01, 87.04, -76.86
CIELCh	48, 116.116, 318.555
Yxy	16.8000, 0.2552, 0.1179
Android (android.graphics.Color)	4290183415 (0xFFB700F7)
YUV	82.8750, 80.9136, 87.8096
Hunter-Lab	40.9878, 86.5734, -100.4945

Details

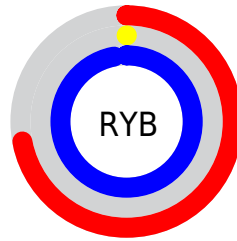
The YIQ color **82.8750, 29.7810, 115.6130** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **164.1250, -29.7810, -115.6130**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **156.0300, 38.2690, 82.9170**, and **58.0240, 12.0430, 84.6430** is the 20% darker color. If you saturate the color by 10%, you get **82.8750, 29.7810, 115.6130**, and if you desaturate by 10%, it is **99.6430, 27.0780, 104.0220**.

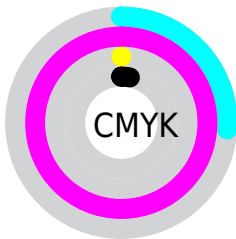
Distribution



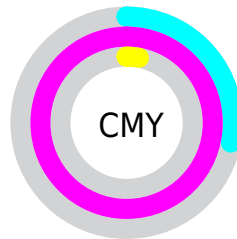
- Red (72%)
- Green (0%)
- Blue (97%)



- Red (72%)
- Yellow (0%)
- Blue (97%)



- Cyan (26%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)





- Cyan (28%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 82.8750, 29.7810, 115.6130 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 82.8750, 29.7810, 115.6130 by changing the saturation by 10% instead.


 82.8750, 29.7810,
115.6130


 82.8750, 29.7810,
115.6130

255.0000, -0.0000,
-0.0000


 70.5990, 21.2100,
100.2340


 156.3290, 38.8650,
83.1290


 58.3230, 12.6390,
84.8550


 177.5160, 36.3000,
69.0360


 45.8620, 3.1510,
69.5750


 195.1260, 28.0500,
53.3460

 33.2160, -7.2540,
54.3940

 212.1490, 20.0750,
38.1790

 19.4880, -20.3640,
38.6760

 229.7590, 11.8250,
22.4890

 9.3480, -26.3220,
25.5020

 247.9560, 3.3000,

 9.5470, -19.9930,

6.2760

15.4230

■ 5.1640, -11.7850,
9.8390

■ 1.2540, -3.5310,
3.4210

■ 82.8750, 29.7810,
115.6130

■ 99.6430, 27.0780,
104.0220

■ 115.5250, 24.0540,
92.7420

■ 131.9940, 20.7550,
80.9390

■ 148.7620, 18.0520,
69.3480

■ 165.2310, 14.7530,
57.5450

■ 181.1130, 11.7290,
46.2650

■ 197.8810, 9.0260,
34.6740

■ 214.3500, 5.7270,
22.8710

■ 230.5310, 3.2990,
11.8030

Harmonies

Analogous

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



92.4660, -111.5550, 22.8210



82.8750, 29.7810, 115.6130



94.0290, 101.9040, 102.5760

Triad

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



82.8750, 29.7810, 115.6130



107.7690, 74.6450, -14.6910



107.4130, -97.1500, -23.5020

Complementary

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



82.8750, 29.7810, 115.6130



164.1250, -29.7810, -115.6130

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.



93.7960, -62.9410, -54.2770



82.8750, 29.7810, 115.6130



98.7570, 11.8840, -50.1960

Square

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



82.8750, 29.7810, 115.6130



69.9660, 139.4640, 49.6080



82.7670, -38.7750, -73.7430



116.5330, -122.8300, 1.3780

Rectangle

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



82.8750, 29.7810, 115.6130



86.7330, 122.4480, 82.6720



82.7670, -38.7750, -73.7430



102.9500, -85.9610, -33.5530

Sweetspot

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



82.8750, 29.7810, 115.6130



204.4080, 8.9800, 35.5080



66.9000, -97.4370, 42.2990



97.4100, 5.4980, 21.5140



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.



82.8750, 29.7810, 115.6130



85.5810, 30.7890, 119.3730



95.3990, 86.5430, 111.1430



114.0590, 1.5120, 5.6400



62.4660, 22.5420, 87.1020



19.5830, 6.6890, 27.4650

Inverse Universe

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



81.1490, 126.6680, 72.2680



83.7690, 130.7940, 74.5860



151.6010, -86.5430, -111.1430



113.9300, 6.1890, 3.4770



61.0860, 95.4480, 54.3600



19.3510, 30.3490, 17.1730

Previews

White Background



This preview shows how the YIQ color 82.8750, 29.7810, 115.6130 looks on a white background.

Color Contrast Check

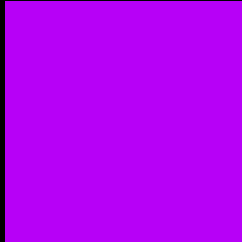
Large Text (above 18pt) WCAG AA ✓ Pass

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 82.8750, 29.7810, 115.6130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

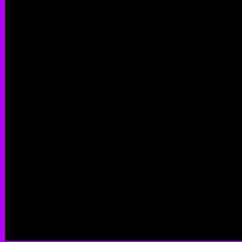
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 82.8750, 29.7810, 115.6130

Background



This preview shows how black text looks on a background with the YIQ color 82.8750, 29.7810, 115.6130.



This preview shows how white text looks on a background with the YIQ color 82.8750, 29.7810,

115.6130.

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

82.8750, 29.7810, 115.6130

Protanopia

91.9470, -105.9600, 15.0320

Deuteranopia

92.5220, -97.9340, 1.7300



Tritanopia

116.9340, 35.8970, 15.7450

Trichromacy



Original Color

82.8750, 29.7810, 115.6130



Protanomaly

88.9560, -56.3120, 51.4000



Deuteranomaly

89.1380, -51.3130, 43.3990



Tritanomaly

104.7090, 33.5980, 51.9180

Monochromacy



Original Color

82.8750, 29.7810, 115.6130



Achromatopsia

83.0000, -0.0000, 0.0000



Achromatomaly

82.9940, 10.4460, 41.9820

CSS Examples

Text

The CSS property to change the color of the text to YIQ 82.8750, 29.7810, 115.6130 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(183, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(183, 0, 247)  
}
```

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(183, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 0, 247) }
```

Border

The CSS property to change the border of an element to YIQ 82.8750, 29.7810, 115.6130 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(183, 0, 247) }
```


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

```
.border{ border-color:rgb(183, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(183, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(183, 0,  
247) }
```

Background

The CSS property to change the background color of an element to YIQ 82.8750, 29.7810, 115.6130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 0, 247) }
```

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

```
.background{ background-color: rgb(183, 0,  
247) }
```

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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