

Converting Colors

YIQ(82.9990, -4.0040, 83.6120)

Have a look what the booklet for
YIQ(82.9990, -4.0040, 83.6120)
contains.

YIQ(82.9990, -4.0040, 83.6120)	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(82.9990, -4.0040,
83.6120)**

Conversions

Conversions Part 1

Format	Color
Hex	831EE6
RGB	131, 30, 230
RGB Percent	51%, 12%, 90%
CMY	0.4859, 0.8825, 0.0982
CMYK	0.43, 0.87, 0.00, 0.10
HSL	270°, 80%, 51%
HSV	270°, 87%, 90%
XYZ	24.1145, 11.4699, 75.7738
YIQ	82.9990, -4.0040, 83.6120

Conversions

Conversions Part 2

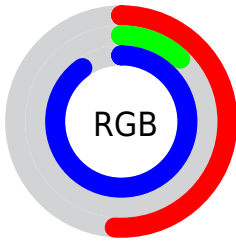
Format	Color
R _Y B	131, 30, 230
Decimal	8593126
CIE Lab	40.36, 73.60, -80.06
CIE LCh	40, 108.749, 312.591
Yxy	11.4699, 0.2165, 0.1030
Android (android.graphics.Color)	4286783206 (0xFF831EE6)
YUV	82.9990, 72.4715, 42.0969
Hunter-Lab	33.8672, 67.8300, -108.9472

Details

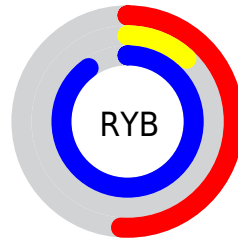
The YIQ color **82.9990, -4.0040, 83.6120** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **177.0010, 4.0040, -83.6120**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **140.4820, 7.2770, 71.8930**, and **39.7550, -15.6010, 68.0070** is the 20% darker color. If you saturate the color by 10%, you get **66.2090, -4.2350, 93.3090**, and if you desaturate by 10%, it is **99.7890, -3.7730, 73.9150**.

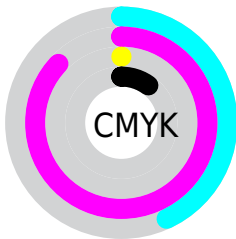
Distribution



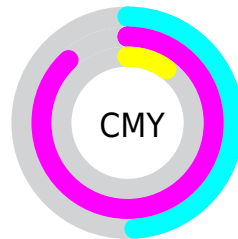
- Red (51%)
- Green (12%)
- Blue (90%)



- Red (51%)
- Yellow (12%)
- Blue (90%)



- Cyan (43%)
- Magenta (87%)
- Yellow (0%)
- Black (10%)



- Cyan (49%)
- Magenta (88%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 82.9990, -4.0040, 83.6120 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 82.9990, -4.0040, 83.6120 by changing the saturation by 10% instead.

82.9990, -4.0040,
83.6120

82.9990, -4.0040,
83.6120

255.0000, -0.0000,
-0.0000

52.8140, -4.9210,
83.7110

140.4820, 7.2770,
71.8930

39.7550, -15.6010,
68.0070

166.1870, 18.0530,
63.8210

24.0050, -31.6450,
50.3950

192.1800, 27.9580,
55.0140

13.5660, -38.1990,
37.0090

209.2140, 21.4500,
40.7940

10.6020, -29.8530,
28.9230

226.2370, 13.4750,
25.6270

11.8610, -23.7530,
17.4870

243.2600, 5.5000,

6.8910, -15.2700,

10.4600

12.4260

■ 3.2090, -7.6580,
6.6300

■ 0.0000, 0.0000,
0.0000

■ 82.9990, -4.0040,
83.6120

■ 82.9990, -4.0040,
83.6120

■ 66.2090, -4.2350,
93.3090

■ 99.7890, -3.7730,
73.9150

■ 60.9040, -4.6940,
96.1220

■ 116.8780, -2.9460,
64.4300

■ 133.6680, -2.7150,
54.7330

■ 150.7570, -1.8880,
45.2480

■ 167.5470, -1.6570,
35.5510

■ 184.3370, -1.4260,
25.8540

■ 201.4260, -0.5990,
16.3690

■ 218.2160, -0.3680,
6.6720

■ 235.0060, -0.1370,
-3.0250

Harmonies

Analogous

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



86.5960, -108.8050, 28.0510



82.9990, -4.0040, 83.6120



82.3960, 81.4570, 93.1770

Triad

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



82.9990, -4.0040, 83.6120



88.0330, 74.3220, -3.3260



88.4230, -76.7470, -24.3230

Complementary

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



82.9990, -4.0040, 83.6120



177.0010, 4.0040, -83.6120

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.



76.1910, -45.0600, -53.4440



82.9990, -4.0040, 83.6120



85.2670, 19.6760, -37.2200

Square

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



82.9990, -4.0040, 83.6120



63.0890, 125.7560, 44.7320



68.6790, -32.1750, -61.1910



99.2870, -104.5820, 1.0660

Rectangle

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



82.9990, -4.0040, 83.6120



81.0520, 111.1240, 78.6440



68.6790, -32.1750, -61.1910



84.8890, -66.7960, -33.9640

Sweetspot

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



82.9990, -4.0040, 83.6120



206.3910, -1.5180, 27.5220



111.5000, -91.7000, 9.9000



98.5400, -0.9200, 16.6800



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.



82.9990, -4.0040, 83.6120



67.6410, -4.9710, 106.6530



112.6000, 55.0000, 104.6000



106.1620, -0.2760, 5.0040



47.3160, -3.8190, 74.7490



13.5880, -0.8750, 21.3730

Inverse Universe

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



101.0860, 87.4210, 73.1890



90.6090, 111.5340, 93.2460



147.4000, -55.0000, -104.6000



107.2720, 5.2260, 4.4100



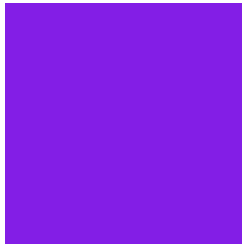
63.5530, 78.4360, 65.3160



18.0990, 22.3710, 18.5870

Previews

White Background



This preview shows how the YIQ color 82.9990, -4.0040, 83.6120 looks on a white background.

Color Contrast Check

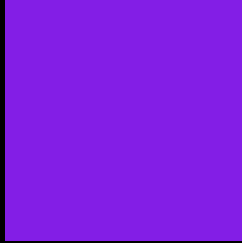
Large Text (above 18pt) WCAG AA ✓ Pass

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 82.9990, -4.0040, 83.6120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

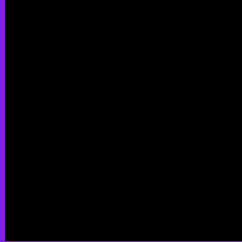
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 82.9990, -4.0040, 83.6120

Background



This preview shows how black text looks on a background with the YIQ color 82.9990, -4.0040, 83.6120.



This preview shows how white text looks on a background with the YIQ color 82.9990, -4.0040,

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

82.9990, -4.0040, 83.6120

Protanopia

76.1200, -87.5740, 12.2180

Deuteranopia

76.5640, -80.5570, 0.6830



Tritanopia

96.1900, 2.5210, 3.8730

Trichromacy



Original Color

82.9990, -4.0040, 83.6120

Protanomaly

78.4530, -56.8140, 38.4660

Deuteranomaly

78.8630, -52.4570, 31.0870

Tritanomaly

91.3360, 0.3150, 32.8510

Monochromacy



Original Color

82.9990, -4.0040, 83.6120

Achromatopsia

83.0000, -0.0000, 0.0000

Achromatomaly

82.9720, -1.6560, 30.0240

CSS Examples

Text

The CSS property to change the color of the text to YIQ 82.9990, -4.0040, 83.6120 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(131, 30, 230)` looks like.

```
.text, #text, p{  
    color:rgb(131, 30, 230)  
}
```

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(131, 30, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 30, 230) }
```

Border

The CSS property to change the border of an element to YIQ 82.9990, -4.0040, 83.6120 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(131, 30, 230) }
```


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

```
.border{ border-color:rgb(131, 30, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 30, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 30, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 30, 230);  
box-shadow:4px 4px 4px 4px rgb(131, 30,  
230) }
```

Background

The CSS property to change the background color of an element to YIQ 82.9990, -4.0040, 83.6120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 30, 230) }
```

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

```
.background{ background-color: rgb(131, 30,  
230) }
```

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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