

Converting Colors

YIQ(83.8200, 4.1100, 90.7500)

Have a look what the booklet for
YIQ(83.8200, 4.1100, 90.7500)
contains.

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Color

**YIQ(83.8200, 4.1100,
90.7500)**

Conversions

Conversions Part 1

Format	Color
Hex	9018EA
RGB	144, 24, 234
RGB Percent	56%, 9%, 92%
CMY	0.4349, 0.9061, 0.0825
CMYK	0.38, 0.90, 0.00, 0.08
HSL	274°, 83%, 51%
HSV	274°, 90%, 92%
XYZ	26.6917, 12.5284, 78.8252
YIQ	83.8200, 4.1100, 90.7500

Conversions

Conversions Part 2

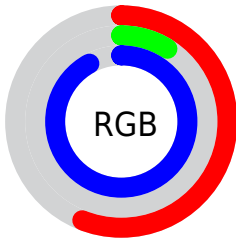
Format	Color
R_{YB}	144, 24, 234
Decimal	9443562
CIE _{Lab}	42.04, 77.24, -79.51
CIE _{LCh}	42, 110.848, 314.171
Yxy	12.5284, 0.2261, 0.1061
Android (android.graphics.Color)	4287633642 (0xFF9018EA)
YUV	83.8200, 74.0387, 52.7779
Hunter-Lab	35.3955, 72.6642, -107.2609

Details

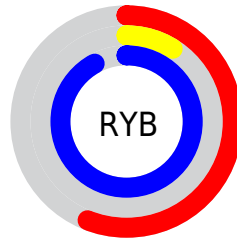
The YIQ color **83.8200, 4.1100, 90.7500** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **174.1800, -4.1100, -90.7500**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **143.7820, 15.3000, 75.1720**, and **44.6960, -7.9450, 72.4310** is the 20% darker color. If you saturate the color by 10%, you get **67.3290, 4.4750, 100.6590**, and if you desaturate by 10%, it is **100.3110, 3.7450, 80.8410**.

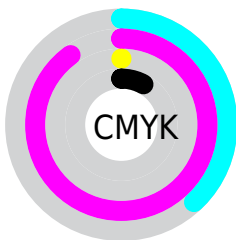
Distribution



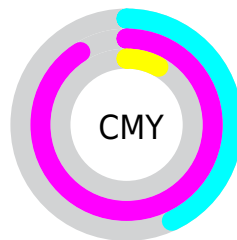
- Red (56%)
- Green (9%)
- Blue (92%)



- Red (56%)
- Yellow (9%)
- Blue (92%)



- Cyan (38%)
- Magenta (90%)
- Yellow (0%)
- Black (8%)



- Cyan (43%)
- Magenta (91%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 83.8200, 4.1100, 90.7500 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 83.8200, 4.1100, 90.7500 by changing the saturation by 10% instead.


 83.8200, 4.1100,
90.7500


 83.8200, 4.1100,
90.7500


255.0000, -0.0000,
-0.0000

 57.4560, 2.1390,
87.9230


 143.7820, 15.3000,
75.1720


 44.6960, -7.9450,
72.4310


 170.0740, 25.8010,
66.5770


 31.0390, -19.8170,
56.3030


 192.7780, 29.1500,
55.4380

 13.9080, -39.1620,
37.9420

 209.8010, 21.1750,
40.2710

 10.9440, -30.8160,
29.8560

 226.8240, 13.2000,
25.1040

 12.7900, -24.9910,
17.8970

 243.8470, 5.2250,

 7.8200, -16.5080,

9.9370

12.8360

■ 3.5510, -8.6210,
7.5630

■ 0.0000, 0.0000,
0.0000

■ 83.8200, 4.1100,
90.7500

■ 83.8200, 4.1100,
90.7500

■ 67.3290, 4.4750,
100.6590

■ 100.3110, 3.7450,
80.8410

■ 66.7420, 4.7500,
101.1820

■ 117.3890, 3.1050,
70.4090

■ 133.8800, 2.7400,
60.5000

■ 150.9580, 2.1000,
50.0680

■ 167.4490, 1.7350,
40.1590

■ 183.9400, 1.3700,
30.2500

■ 201.0180, 0.7300,
19.8180

■ 217.5090, 0.3650,
9.9090

■ 234.5870, -0.2750,
-0.5230

Harmonies

Analogous

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



87.7700, -109.3550, 27.0050



83.8200, 4.1100, 90.7500



85.5000, 87.0960, 95.6080

Triad

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



83.8200, 4.1100, 90.7500



92.4520, 74.4600, -5.8280



93.0850, -81.6070, -24.3510

Complementary

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



83.8200, 4.1100, 90.7500



174.1800, -4.1100, -90.7500

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.



80.1520, -49.3240, -53.2600



83.8200, 4.1100, 90.7500



87.9030, 17.7050, -40.0470

Square

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



83.8200, 4.1100, 90.7500



64.8830, 129.3320, 46.0040



72.2010, -33.8250, -64.3290



103.4760, -109.4880, 1.8720

Rectangle

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



83.8200, 4.1100, 90.7500



83.7430, 116.4880, 80.5520



72.2010, -33.8250, -64.3290



88.9640, -71.3810, -33.4690

Sweetspot

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



83.8200, 4.1100, 90.7500



205.8260, 1.6910, 29.9390



101.3570, -92.4350, 17.7170



98.5510, 0.5470, 17.6270



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.



83.8200, 4.1100, 90.7500



72.7240, 5.1610, 110.2570



109.1340, 62.2440, 105.4760



109.0480, 0.0450, 4.6930



51.7300, 3.8830, 78.3390



15.4250, 1.1420, 23.3660

Inverse Universe

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



97.0500, 96.2700, 72.5100



88.6710, 116.9910, 87.9590



148.8660, -62.2440, -105.4760



109.8590, 4.9510, 3.8870



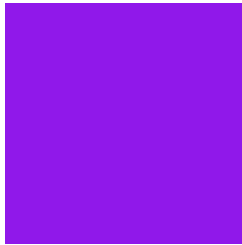
62.8970, 83.1590, 62.3190



18.7680, 24.8010, 18.6010

Previews

White Background



This preview shows how the YIQ color 83.8200, 4.1100, 90.7500 looks on a white background.

Color Contrast Check

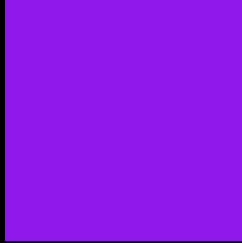
Large Text (above 18pt) WCAG AA ✓ Pass

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 83.8200, 4.1100, 90.7500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

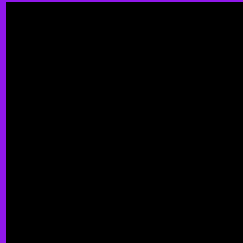
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 83.8200, 4.1100, 90.7500

Background



This preview shows how black text looks on a background with the YIQ color 83.8200, 4.1100, 90.7500.



This preview shows how white text looks on a background with the YIQ color 83.8200, 4.1100,

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

83.8200, 4.1100, 90.7500

Protanopia

79.4940, -91.5630, 12.9250

Deuteranopia

79.8240, -84.2250, 1.0790



Tritanopia

100.9740, 12.0570, 7.2650

Trichromacy



Original Color

83.8200, 4.1100, 90.7500

Protanomaly

81.0340, -56.9520, 40.9680

Deuteranomaly

81.3300, -52.2740, 33.2780

Tritanomaly

94.8750, 9.1630, 37.6990

Monochromacy



Original Color

83.8200, 4.1100, 90.7500

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

83.9340, 1.5070, 33.2750

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.8200, 4.1100, 90.7500 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(144, 24, 234)` looks like.

```
.text, #text, p{  
    color:rgb(144, 24, 234)  
}
```

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(144, 24, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 24, 234) }
```

Border

The CSS property to change the border of an element to YIQ 83.8200, 4.1100, 90.7500 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(144, 24, 234) }
```


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

```
.border{ border-color:rgb(144, 24, 234) }
```

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

Here you see how a box with a 4 pixel rgb(144, 24, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 24, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 24, 234);  
box-shadow:4px 4px 4px 4px rgb(144, 24,  
234) }
```

Background

The CSS property to change the background color of an element to YIQ 83.8200, 4.1100, 90.7500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 24, 234) }
```

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

```
.background{ background-color: rgb(144, 24,  
234) }
```

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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