

Converting Colors

YIQ(83.4710, 42.4820, 111.2020)

Have a look what the booklet for
YIQ(83.4710, 42.4820, 111.2020)
contains.

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Color

**YIQ(83.4710, 42.4820,
111.2020)**

Conversions

Conversions Part 1

Format	Color
Hex	C100E2
RGB	193, 0, 226
RGB Percent	76%, 0%, 89%
CMY	0.2425, 0.9999, 0.1137
CMYK	0.15, 1.00, 0.00, 0.11
HSL	291°, 100%, 44%
HSV	291°, 100%, 89%
XYZ	35.7586, 16.8485, 73.3177
YIQ	83.4710, 42.4820, 111.2020

Conversions

Conversions Part 2

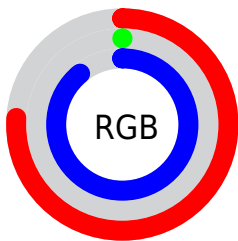
Format	Color
RYB	193, 0, 226
Decimal	12648674
CIELab	48.07, 84.80, -64.84
CIElCh	48, 106.743, 322.598
Yxy	16.8485, 0.2840, 0.1338
Android (android.graphics.Color)	4290838754 (0xFFC100E2)
YUV	83.4710, 70.2668, 96.0569
Hunter-Lab	41.0469, 83.6708, -77.1706

Details

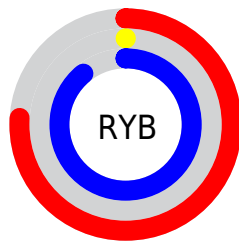
The YIQ color **83.4710, 42.4820, 111.2020** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **142.5290, -42.4820, -111.2020**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **159.0200, 44.2290, 85.0370**, and **59.3320, 25.6150, 80.9670** is the 20% darker color. If you saturate the color by 10%, you get **83.4710, 42.4820, 111.2020**, and if you desaturate by 10%, it is **97.8690, 37.9450, 99.8090**.

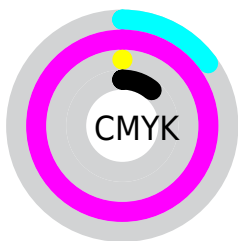
Distribution



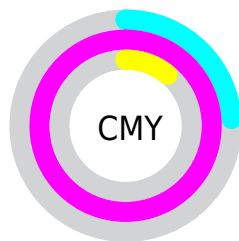
- Red (76%)
- Green (0%)
- Blue (89%)



- Red (76%)
- Yellow (0%)
- Blue (89%)



- Cyan (15%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)





- Cyan (24%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 83.4710, 42.4820, 111.2020 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 83.4710, 42.4820, 111.2020 by changing the saturation by 10% instead.


 83.4710, 42.4820,
111.2020


 83.4710, 42.4820,
111.2020


255.0000, -0.0000,
-0.0000


 71.1950, 33.9110,
95.8230

 159.0200, 44.2290,
85.0370


 59.3320, 25.6150,
80.9670


 177.5160, 36.3000,
69.0360


 47.2840, 16.4020,
66.2100


 195.1260, 28.0500,
53.3460

 35.6490, 7.4640,
51.9760

 212.7360, 19.8000,
37.6560

 24.0140, -1.4740,
37.7420

 230.3460, 11.5500,
21.9660

 8.7200, -18.8020,
21.3740

 247.9560, 3.3000,

 6.5490, -14.3070,

6.2760

11.4930

■ 2.8670, -6.6950,
5.6970

■ 0.0000, 0.0000,
0.0000

■ 83.4710, 42.4820,
111.2020

■ 97.8690, 37.9450,
99.8090

■ 111.9790, 34.2790,
89.1510

■ 126.3770, 29.7420,
77.7580

■ 140.1880, 25.4800,
66.8880

■ 154.8850, 21.5390,
55.7070

■ 169.2830, 17.0020,
44.3140

■ 183.0940, 12.7400,
33.4440

■ 197.4920, 8.2030,
22.0510

■ 211.6020, 4.5370,
11.3930

Harmonies

Analogous

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



88.9440, -109.9050, 25.9590



83.4710, 42.4820, 111.2020



91.7210, 105.5270, 97.4870

Triad

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



83.4710, 42.4820, 111.2020



107.7030, 65.8430, -20.3730



107.6240, -99.1220, -20.8020

Complementary

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



83.4710, 42.4820, 111.2020



142.5290, -42.4820, -111.2020

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.



95.1470, -68.1230, -48.4670



83.4710, 42.4820, 111.2020



96.6530, 6.2450, -52.6270

Square

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



83.4710, 42.4820, 111.2020



91.0210, 119.2950, 24.1510



82.7670, -38.7750, -73.7430



114.7720, -122.0050, 2.9470

Rectangle

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



83.4710, 42.4820, 111.2020



85.5930, 125.6580, 79.5620



82.7670, -38.7750, -73.7430



103.6170, -89.2170, -29.6090

Sweetspot

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



83.4710, 42.4820, 111.2020



207.0990, 14.3440, 37.4160



45.7220, -81.8960, 52.5040



98.9050, 8.4780, 22.5740



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.



83.4710, 42.4820, 111.2020



94.2520, 48.0730, 125.5210



84.3320, 87.5090, 93.6290



105.2440, 2.4290, 5.5410



64.9140, 32.9040, 86.5360



17.7310, 9.0280, 23.6200

Inverse Universe

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



71.3360, 124.1030, 58.1750



80.4630, 140.1030, 65.5670



141.6680, -87.5090, -93.6290



104.5170, 5.9140, 2.9540



55.5880, 96.5500, 45.3980



15.1500, 26.3610, 12.3530

Previews

White Background



This preview shows how the YIQ color 83.4710, 42.4820, 111.2020 looks on a white background.

Color Contrast Check

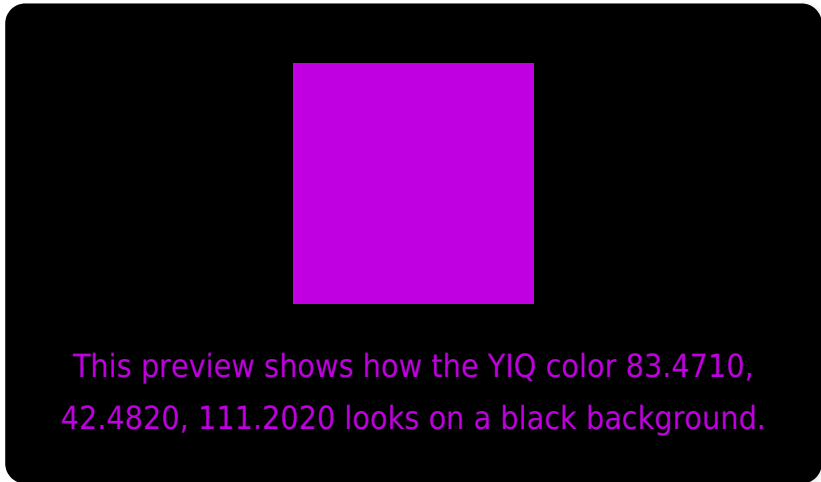
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

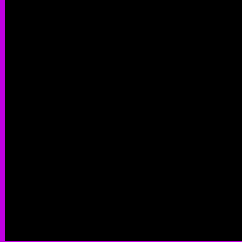
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 83.4710, 42.4820, 111.2020

Background



This preview shows how black text looks on a background with the YIQ color 83.4710, 42.4820, 111.2020.



This preview shows how white text looks on a background with the YIQ color 83.4710, 42.4820,

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

83.4710, 42.4820, 111.2020

Deuteranopia

92.9780, -99.2180, 2.9740

Tritanopia

115.6970, 49.9260, 20.3100

Trichromacy



Original Color

83.4710, 42.4820, 111.2020

Deuteranomaly

89.4650, -47.9200, 42.4800

Tritanomaly

104.1790, 46.8940, 53.2460

Monochromacy



Original Color

83.4710, 42.4820, 111.2020

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

83.6910, 15.6730, 40.8650

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.4710, 42.4820, 111.2020 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(193, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 226)  
}
```

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(193, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 226) }
```

Border

The CSS property to change the border of an element to YIQ 83.4710, 42.4820, 111.2020 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(193, 0, 226) }
```

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

```
.border{ border-color:rgb(193, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
226) }
```


Background

The CSS property to change the background color of an element to YIQ 83.4710, 42.4820, 111.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 226) }
```

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

```
.background{ background-color: rgb(193, 0,  
226) }
```

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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