

Converting Colors

YIQ(158.4200, 9.8470, 58.3510)

Have a look what the booklet for
YIQ(158.4200, 9.8470, 58.3510)
contains.

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Color

**YIQ(158.4200, 9.8470,
58.3510)**

Conversions

Conversions Part 1

Format	Color
Hex	CC76F7
RGB	204, 118, 247
RGB Percent	80%, 46%, 97%
CMY	0.1997, 0.5374, 0.0314
CMYK	0.17, 0.52, 0.00, 0.03
HSL	280°, 89%, 72%
HSV	280°, 52%, 97%
XYZ	48.1821, 32.5105, 91.7188
YIQ	158.4200, 9.8470, 58.3510

Conversions

Conversions Part 2

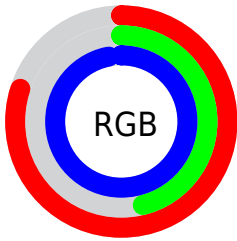
Format	Color
RYB	204, 118, 247
Decimal	13399799
CIELab	63.76, 54.87, -51.36
CIElCh	64, 75.159, 316.891
Yxy	32.5105, 0.2795, 0.1886
Android (android.graphics.Color)	4291589879 (0xFFCC76F7)
YUV	158.4200, 43.6699, 39.9737
Hunter-Lab	57.0180, 51.0569, -55.4610

Details

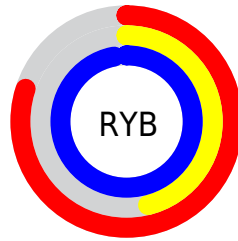
The YIQ color **158.4200, 9.8470, 58.3510** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **206.5800, -9.8470, -58.3510**, and the grayscale version is **158.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **206.8660, 22.5500, 42.8860**, and **103.7680, 8.7470, 56.2590** is the 20% darker color. If you saturate the color by 10%, you get **141.3530, 11.9540, 69.7300**, and if you desaturate by 10%, it is **175.4870, 7.7400, 46.9720**.

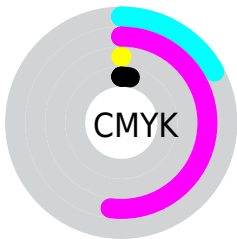
Distribution



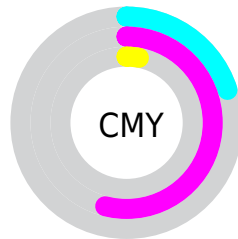
- Red (80%)
- Green (46%)
- Blue (97%)



- Red (80%)
- Yellow (46%)
- Blue (97%)



- Cyan (17%)
- Magenta (52%)
- Yellow (0%)
- Black (3%)



- Cyan (20%)
- Magenta (54%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 158.4200, 9.8470, 58.3510 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 158.4200, 9.8470, 58.3510 by changing the saturation by 10% instead.


 158.4200, 9.8470,
58.3510


 158.4200, 9.8470,
58.3510


255.0000, -0.0000,
-0.0000

 130.5940, 9.2970,
57.3050


 206.8660, 22.5500,
42.8860

 103.7680, 8.7470,
56.2590


 223.3020, 14.8500,
28.2420

 75.7680, 8.7470,
56.2590

 240.3250, 6.8750,
13.0750

 43.0120, 11.1760,
61.8000

 31.6760, 2.8340,
47.7780

 21.0520, -4.6370,
34.4910

 7.5520, -18.3890,

19.3950

■ 5.5060, -12.7480,
10.7720

■ 2.1830, -4.7690,
3.8310

■ 158.4200, 9.8470,
58.3510

■ 158.4200, 9.8470,
58.3510

■ 141.3530, 11.9540,
69.7300

■ 175.4870, 7.7400,
46.9720

■ 124.8730, 13.7860,
80.5860

■ 192.2660, 6.5040,
36.3280

■ 107.5070, 15.2970,
91.7530

■ 209.3330, 4.3970,
24.9490

■ 90.4400, 17.4040,
103.1320

■ 226.4000, 2.2900,
13.5700

■ 77.4930, 19.0530,
111.7970

■ 242.8800, 0.4580,
2.7140

■ 253.4900, 1.3760,
-2.9120

■ 254.0880, 2.5680,
-2.4880

Harmonies

Analogous

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



140.7520, -74.5540, 18.5500



158.4200, 9.8470, 58.3510



149.2190, 67.7530, 66.1930

Triad

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



158.4200, 9.8470, 58.3510



145.2580, 85.7890, -29.4350



130.4830, -112.5070, -37.0430

Complementary

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



158.4200, 9.8470, 58.3510



206.5800, -9.8470, -58.3510

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.



121.3290, -89.4870, -57.7670



158.4200, 9.8470, 58.3510



140.5310, 44.5750, -53.4490

Square

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



158.4200, 9.8470, 58.3510



147.3020, 101.9660, 13.3100



128.4900, -27.2690, -61.9970



135.4480, -130.6210, -17.1250

Rectangle

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



158.4200, 9.8470, 58.3510



139.9800, 84.1230, 55.8590



128.4900, -27.2690, -61.9970



127.8610, -105.1240, -44.1960

Sweetspot

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



158.4200, 9.8470, 58.3510



226.7470, 2.9310, 18.4750



157.9470, -53.2340, 17.6300



110.6340, 1.5110, 11.1670



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.



158.4200, 9.8470, 58.3510



144.6460, 12.6870, 72.9670



168.7690, 42.5370, 60.6250



113.7600, 0.9160, 5.4280



58.2800, 14.1980, 84.1340



18.3870, 4.3050, 26.6170

Inverse Universe

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



161.4730, 63.0810, 40.7210



148.2950, 78.6220, 50.9260



196.1170, -42.2160, -60.9360



114.0440, 5.8680, 3.7880



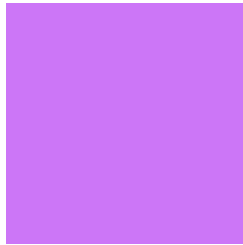
62.6820, 90.9540, 58.7140



19.9210, 28.7440, 18.7280

Previews

White Background



This preview shows how the YIQ color 158.4200, 9.8470, 58.3510 looks on a white background.

Color Contrast Check

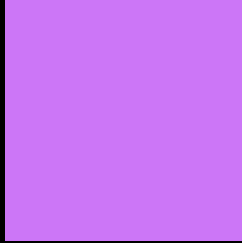
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 158.4200, 9.8470, 58.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

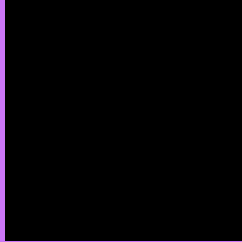
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 158.4200, 9.8470, 58.3510

Background



This preview shows how black text looks on a background with the YIQ color 158.4200, 9.8470, 58.3510.



This preview shows how white text looks on a background with the YIQ color 158.4200, 9.8470,

58.3510.

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

158.4200, 9.8470, 58.3510

Protanopia

151.1950, -56.6280, 24.0760

Deuteranopia

150.6480, -53.8300, 17.4180



Tritanopia

157.1930, 24.8020, 13.0740

Trichromacy



Original Color

158.4200, 9.8470, 58.3510



Protanomaly

153.6760, -32.6970, 36.4150



Deuteranomaly

153.5250, -30.9540, 32.3580



Tritanomaly

157.3950, 19.0220, 29.7260

Monochromacy



Original Color

158.4200, 9.8470, 58.3510



Achromatopsia

158.0000, -0.0000, 0.0000



Achromatomaly

157.9260, 3.9850, 21.4010

CSS Examples

Text

The CSS property to change the color of the text to YIQ 158.4200, 9.8470, 58.3510 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(204, 118, 247)` looks like.

```
.text, #text, p{  
    color:rgb(204, 118, 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(204, 118, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 118, 247) }
```

Border

The CSS property to change the border of an element to YIQ 158.4200, 9.8470, 58.3510 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(204, 118, 247) }
```


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

```
.border{ border-color:rgb(204, 118, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 118, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 118, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 118, 247);  
box-shadow:4px 4px 4px 4px rgb(204, 118,  
247) }
```

Background

The CSS property to change the background color of an element to YIQ 158.4200, 9.8470, 58.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 118, 247) }
```

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

```
.background{ background-color: rgb(204,  
118, 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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