

Converting Colors

YIQ(99.8430, 85.5330, 118.4370)

Have a look what the booklet for
YIQ(99.8430, 85.5330, 118.4370)
contains.

YIQ(99.8430, 85.5330, 118.4370)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**YIQ(99.8430, 85.5330,
118.4370)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00CF
RGB	255, 0, 207
RGB Percent	100%, 0%, 81%
CMY	0.0000, 0.9998, 0.1881
CMYK	0.00, 1.00, 0.19, 0.00
HSL	311°, 100%, 50%
HSV	311°, 100%, 100%
XYZ	52.5081, 25.7672, 61.2669
YIQ	99.8430, 85.5330, 118.4370

Conversions

Conversions Part 2

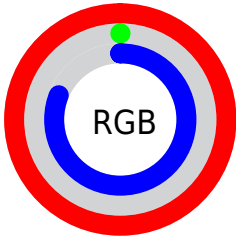
Format	Color
R_{YB}	255, 0, 207
Decimal	16711887
CIE _{Lab}	57.82, 92.10, -37.85
CIE _{LCh}	58, 99.570, 337.660
Yxy	25.7672, 0.3763, 0.1847
Android (android.graphics.Color)	4294901967 (0xFFFF00CF)
YUV	99.8430, 52.8284, 136.0727
Hunter-Lab	50.7614, 95.8095, -36.0275

Details

The YIQ color **99.8430, 85.5330, 118.4370** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **155.1570, -85.5330, -118.4370**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **165.7760, 41.8000, 79.4960**, and **75.0350, 66.2360, 88.1880** is the 20% darker color. If you saturate the color by 10%, you get **99.8430, 85.5330, 118.4370**, and if you desaturate by 10%, it is **115.6750, 76.7780, 106.3940**.

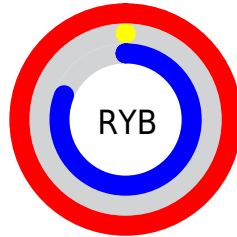
Distribution



Red (100%)

Green (0%)

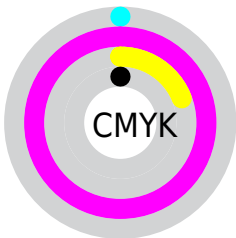
Blue (81%)



Red (100%)

Yellow (0%)

Blue (81%)

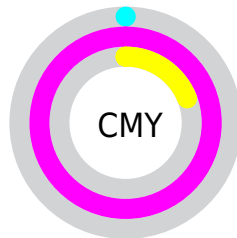


Cyan (0%)

Magenta (100%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (100%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 99.8430, 85.5330, 118.4370 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 99.8430, 85.5330, 118.4370 by changing the saturation by 10% instead.

■ 99.8430, 85.5330,
118.4370

■ 99.8430, 85.5330,
118.4370

■ 255.0000, -0.0000,
-0.0000

■ 87.3820, 76.0450,
103.1570

■ 165.7760, 41.8000,
79.4960

■ 75.0350, 66.2360,
88.1880

■ 185.1470, 32.7250,
62.2370

■ 63.1010, 56.7020,
73.7420

■ 203.3440, 24.2000,
46.0240

■ 51.1670, 47.1680,
59.2960

■ 221.5410, 15.6750,
29.8110

■ 39.4610, 36.9920,
45.4720

■ 239.7380, 7.1500,
13.5980

■ 28.4670, 27.6870,
32.3830

■ 16.5760, 16.5940,

18.6580

■ 0.0000, 0.0000,
0.0000

■ 99.8430, 85.5330,
118.4370

■ 115.6750, 76.7780,
106.3940

■ 130.9200, 68.2980,
94.8740

■ 146.6380, 59.8640,
82.5200

■ 161.8830, 51.3840,
71.0000

■ 177.7150, 42.6290,
58.9570

■ 192.9600, 34.1490,
47.4370

■ 208.7920, 25.3940,
35.3940

■ 223.9230, 17.2350,
23.5630

■ 239.7550, 8.4800,
11.5200

Harmonies

Analogous

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



136.7840, -14.5450, 59.8790



99.8430, 85.5330, 118.4370



90.0390, 113.1390, 91.6910

Triad

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



99.8430, 85.5330, 118.4370



128.4920, 49.4790, -43.2010



129.4810, -126.2200, -14.2840

Complementary

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



99.8430, 85.5330, 118.4370



155.1570, -85.5330, -118.4370

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.



120.3780, -99.2100, -41.2420



99.8430, 85.5330, 118.4370



104.6730, -24.0110, -76.9950

Square

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



99.8430, 85.5330, 118.4370



129.1760, 101.4200, -9.8440



107.3140, -67.9360, -68.3840



126.5120, -127.5050, -7.5130

Rectangle

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



99.8430, 85.5330, 118.4370



83.6550, 131.1150, 74.2750



107.3140, -67.9360, -68.3840



126.9900, -117.8280, -23.2040

Sweetspot

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



99.8430, 85.5330, 118.4370



208.7920, 25.3940, 35.3940



43.1230, -53.8430, 89.2690



99.9720, 15.5390, 21.2590



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.



99.8430, 85.5330, 118.4370



85.4790, 125.9790, 79.2510



120.0270, 4.5380, 5.8660



74.7790, 64.0810, 88.6970



25.0640, 21.4520, 29.7400

Inverse Universe

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



99.8430, 85.5330, 118.4370



169.5210, -125.9790, -79.2510



120.0270, 4.5380, 5.8660



74.7790, 64.0810, 88.6970



25.0640, 21.4520, 29.7400

Previews

White Background



This preview shows how the YIQ color 99.8430, 85.5330, 118.4370 looks on a white background.

Color Contrast Check

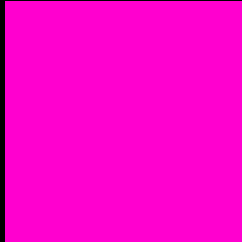
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 99.8430, 85.5330, 118.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

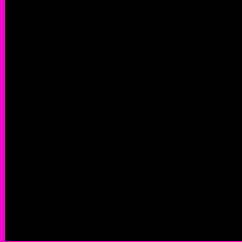
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 99.8430, 85.5330, 118.4370

Background



This preview shows how black text looks on a background with the YIQ color 99.8430, 85.5330, 118.4370.



This preview shows how white text looks on a background with the YIQ color 99.8430, 85.5330,

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

99.8430, 85.5330, 118.4370

Protanopia

132.8220, -71.5750, 25.1370

Deuteranopia

139.6000, -27.5120, 14.0240



Tritanopia

131.1930, 95.8640, 35.8000

Trichromacy



Original Color

99.8430, 85.5330, 118.4370



Protanomaly

121.2570, -14.4990, 59.0450



Deuteranomaly

125.1720, 13.2410, 51.9050



Tritanomaly

119.7950, 92.3740, 66.0220

Monochromacy



Original Color

99.8430, 85.5330, 118.4370



Achromatopsia

100.0000, -0.0000, -0.0000



Achromatomaly

100.0580, 30.7570, 42.8290

CSS Examples

Text

The CSS property to change the color of the text to YIQ 99.8430, 85.5330, 118.4370 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(255, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 207)  
}
```

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(255, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 207) }
```

Border

The CSS property to change the border of an element to YIQ 99.8430, 85.5330, 118.4370 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(255, 0, 207) }
```

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

```
.border{ border-color:rgb(255, 0, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
207) }
```

Background

The CSS property to change the background color of an element to YIQ 99.8430, 85.5330, 118.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 207) }
```

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

```
.background{ background-color: rgb(255, 0,  
207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor