

Converting Colors

YIQ(87.6590, 39.3170, 119.0050)

Have a look what the booklet for
YIQ(87.6590, 39.3170, 119.0050)
contains.

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Color

**YIQ(87.6590, 39.3170,
119.0050)**

Conversions

Conversions Part 1

Format	Color
Hex	C700F7
RGB	199, 0, 247
RGB Percent	78%, 0%, 97%
CMY	0.2190, 0.9999, 0.0314
CMYK	0.19, 1.00, 0.00, 0.03
HSL	288°, 100%, 48%
HSV	288°, 100%, 97%
XYZ	40.3828, 18.8789, 89.5040
YIQ	87.6590, 39.3170, 119.0050

Conversions

Conversions Part 2

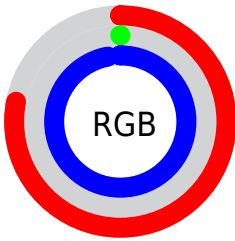
Format	Color
RYB	199, 0, 247
Decimal	13041911
CIELab	50.55, 89.05, -72.62
CIElCh	51, 114.908, 320.804
Yxy	18.8789, 0.2715, 0.1269
Android (android.graphics.Color)	4291231991 (0xFFC700F7)
YUV	87.6590, 78.5551, 97.6461
Hunter-Lab	43.4498, 89.8629, -91.7190

Details

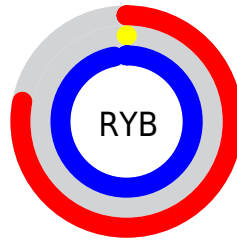
The YIQ color **87.6590, 39.3170, 119.0050** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **159.3410, -39.3170, -119.0050**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **161.0800, 44.0000, 83.6800**, and **63.1070, 22.1750, 88.2470** is the 20% darker color. If you saturate the color by 10%, you get **87.6590, 39.3170, 119.0050**, and if you desaturate by 10%, it is **103.8290, 35.4220, 106.9900**.

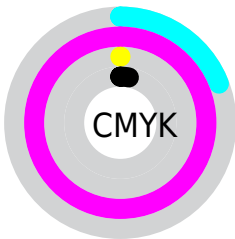
Distribution



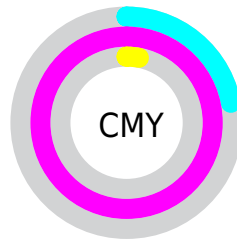
- Red (78%)
- Green (0%)
- Blue (97%)



- Red (78%)
- Yellow (0%)
- Blue (97%)



- Cyan (19%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)



- Cyan (22%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.6590, 39.3170, 119.0050 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 87.6590, 39.3170, 119.0050 by changing the saturation by 10% instead.

87.6590, 39.3170,
119.0050

87.6590, 39.3170,
119.0050

255.0000, -0.0000,
-0.0000

75.3830, 30.7460,
103.6260

161.0800, 44.0000,
83.6800

63.1070, 22.1750,
88.2470

179.2770, 35.4750,
67.4670

51.0590, 12.9620,
73.4900

196.8870, 27.2250,
51.7770

38.5980, 3.4740,
58.2100

215.0840, 18.7000,
35.5640

26.9630, -5.4640,
43.9760

232.6940, 10.4500,
19.8740

9.4620, -26.6430,
25.8130

250.3040, 2.2000,

7.1990, -18.8930,

4.1840

17.5150

■ 5.2780, -12.1060,
10.1500

■ 1.2540, -3.5310,
3.4210

■ 87.6590, 39.3170,
119.0050

■ 103.8290, 35.4220,
106.9900

■ 119.4120, 31.8020,
95.4980

■ 135.5820, 27.9070,
83.4830

■ 151.4530, 23.4160,
71.2560

■ 167.6230, 19.5210,
59.2410

■ 183.2060, 15.9010,
47.7490

■ 199.3760, 12.0060,
35.7340

■ 215.2470, 7.5150,
23.5070

■ 230.8300, 3.8950,
12.0150

Harmonies

Analogous

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



93.6400, -112.1050, 21.7750



87.6590, 39.3170, 119.0050



93.9150, 102.2250, 102.2650

Triad

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



87.6590, 39.3170, 119.0050



113.6500, 73.3620, -18.9740



113.0040, -103.2480, -23.1200

Complementary

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



87.6590, 39.3170, 119.0050



159.3410, -39.3170, -119.0050

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.



99.6150, -69.6810, -53.2730



87.6590, 39.3170, 119.0050



103.1540, 9.0880, -54.5920

Square

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



87.6590, 39.3170, 119.0050



88.1850, 133.8730, 35.2890



86.8760, -40.7000, -77.4040



120.0550, -124.4800, -1.7600

Rectangle

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



87.6590, 39.3170, 119.0050



86.6190, 122.7690, 82.3610



86.8760, -40.7000, -77.4040



108.6550, -92.3800, -32.8600

Sweetspot

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



87.6590, 39.3170, 119.0050



205.9030, 11.9600, 36.5680



56.9210, -92.7620, 51.1900



98.3070, 7.2860, 22.1500



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.



87.6590, 39.3170, 119.0050



90.6640, 40.9210, 122.9770



93.5750, 91.6790, 106.1670



114.3580, 2.1080, 5.8520



66.0540, 29.6940, 89.6460



20.7790, 9.0730, 28.3130

Inverse Universe

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



79.3250, 131.8040, 67.2920



81.8310, 136.2510, 69.2990



153.4250, -91.6790, -106.1670



113.9300, 6.1890, 3.4770



59.7180, 99.3000, 50.6280



18.8950, 31.6330, 15.9290

Previews

White Background



This preview shows how the YIQ color 87.6590, 39.3170, 119.0050 looks on a white background.

Color Contrast Check

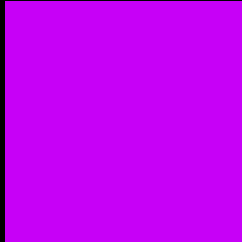
Large Text (above 18pt) WCAG AA ✓ Pass

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 87.6590, 39.3170, 119.0050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

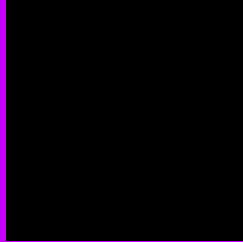
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 87.6590, 39.3170, 119.0050

Background



This preview shows how black text looks on a background with the YIQ color 87.6590, 39.3170, 119.0050.



This preview shows how white text looks on a background with the YIQ color 87.6590, 39.3170,

119.0050.

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

87.6590, 39.3170, 119.0050

Protanopia

97.5380, -112.0580, 15.4140

Deuteranopia

97.5260, -103.7570, 2.6350



Tritanopia

122.3160, 46.6250, 19.5610

Trichromacy



Original Color

87.6590, 39.3170, 119.0050



Protanomaly

93.8250, -57.3210, 53.1670



Deuteranomaly

93.8930, -52.0010, 44.8550



Tritanomaly

109.7920, 43.7300, 55.5220

Monochromacy



Original Color

87.6590, 39.3170, 119.0050



Achromatopsia

88.0000, -0.0000, -0.0000



Achromatomaly

87.7880, 14.0220, 43.2540

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.6590, 39.3170, 119.0050 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(199, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 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(199, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 247) }
```

Border

The CSS property to change the border of an element to YIQ 87.6590, 39.3170, 119.0050 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(199, 0, 247) }
```


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

```
.border{ border-color:rgb(199, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
247) }
```

Background

The CSS property to change the background color of an element to YIQ 87.6590, 39.3170, 119.0050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 247) }
```

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

```
.background{ background-color: rgb(199, 0,  
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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