

Converting Colors

XYZ(39.3106, 18.4096, 85.6832)

Have a look what the booklet for
XYZ(39.3106, 18.4096, 85.6832)
contains.

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Color

**XYZ(39.3157, 18.4166,
85.4870)**

Conversions

Conversions Part 1

Format	Color
Hex	C600F2
RGB	198, 0, 242
RGB Percent	78%, 0%, 95%
CMY	0.2235, 0.9999, 0.0510
CMYK	0.18, 1.00, 0.00, 0.05
HSL	289°, 100%, 47%
HSV	289°, 100%, 95%
XYZ	39.3157, 18.4166, 85.4870
YIQ	86.7900, 40.3260, 117.2380

Conversions

Conversions Part 2

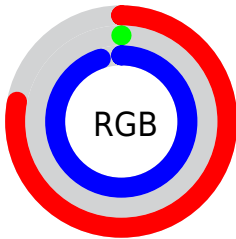
Format	Color
RYB	198, 0, 242
Decimal	12976370
CIELab	50.00, 88.07, -70.72
CIELCh	50, 112.950, 321.238
Yxy	18.4166, 0.2745, 0.1286
Android (android.graphics.Color)	4291166450 (0xFFC600F2)
YUV	86.7900, 76.5185, 97.5312
Hunter-Lab	42.9146, 88.4303, -88.0671

Details

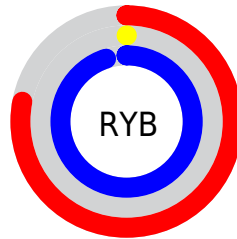
The XYZ color **39.3157, 18.4166, 85.4870** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **32.7918, 64.0404, 10.6333**, and the grayscale version is **8.8521, 9.3131, 10.1419**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **19.2382, 8.9061, 46.6040** is the 20% darker color. If you saturate the color by 10%, you get **39.3155, 18.4164, 85.4873**, and if you desaturate by 10%, it is **40.8244, 19.6860, 85.6528**.

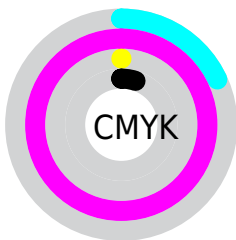
Distribution



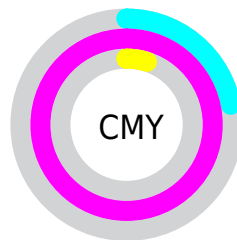
- Red (78%)
- Green (0%)
- Blue (95%)



- Red (78%)
- Yellow (0%)
- Blue (95%)



- Cyan (18%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (22%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3157, 18.4166, 85.4870 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 XYZ color 39.3157, 18.4166, 85.4870 by changing the saturation by 10% instead.


 39.3157, 18.4166,
85.4870


 39.3157, 18.4166,
85.4870

334.4149,
243.2088, 533.4247


 27.1872, 11.2495,
63.6914

 73.4113, 40.7459,
142.9336


 17.8512, 6.2349,
45.9562

 96.1092, 56.6769,
179.4216


 10.9423, 2.9884,
31.8628


 123.0610, 76.2981,
221.6443

 6.0950, 1.1257,
20.9928

 154.6319, 99.9937,
270.0200

 2.9442, 0.0000,
12.9275

 191.1874,
128.1481, 324.9673

 1.1243, 0.0000,
7.2485

 233.0929,

 0.0453, 0.0000,

161.1459, 386.9049

3.5372

280.7136,
199.3713, 456.2512

■ 0.0000, 0.0000,
1.3751

■ 0.0000, 0.0000,
0.1222

■ 39.3157, 18.4166,
85.4870

■ 39.3157, 18.4166,
85.4870

■ 39.3155, 18.4164,
85.4873

■ 40.8244, 19.6860,
85.6528

■ 42.7783, 21.7962,
85.9571

■ 45.3068, 25.0049,
86.4432

■ 48.4868, 29.4654,
87.1366

■ 52.3830, 35.3065,
88.0587

■ 57.0517, 42.6406,
89.2282

■ 62.5437, 51.5689,
90.6621

■ 68.9051, 62.1832,
92.3756

■ 76.1787, 74.5688,
94.3829

Harmonies

Analogous

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



26.1957, 18.4166, 143.0895



39.3157, 18.4166, 85.4870



47.2560, 18.4166, 30.5938

Triad

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



39.3157, 18.4166, 85.4870



20.8766, 18.4166, 0.0000



4.3751, 18.4166, 50.3936

Complementary

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



39.3157, 18.4166, 85.4870



32.7918, 64.0404, 10.6333

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.



3.9261, 18.4166, 12.2622



39.3157, 18.4166, 85.4870



10.9858, 18.4166, 0.0000

Square

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



39.3157, 18.4166, 85.4870



34.0728, 18.4166, 0.0000



5.7603, 18.4166, 1.0876



7.4264, 18.4166, 111.9526

Rectangle

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



39.3157, 18.4166, 85.4870



46.9534, 18.4166, 10.5213



5.7603, 18.4166, 1.0876



3.9841, 18.4166, 34.0862

Sweetspot

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



39.3166, 18.4173, 85.4874



70.3766, 57.9768, 102.0891



16.9423, 8.2410, 84.7024



14.4796, 11.4527, 21.6974



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.3166, 18.4173, 85.4874



44.2413, 20.7221, 96.2757



43.4438, 21.6080, 37.6566



16.1560, 15.8776, 19.9348



21.2275, 9.9486, 45.9293



1.8385, 0.8650, 3.8243

Inverse Universe

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



37.0733, 19.0597, 4.1095



41.7404, 21.4601, 4.5649



33.0796, 64.0355, 17.5726



15.8902, 15.8058, 16.9778



19.9514, 10.2530, 2.3946



1.6924, 0.8660, 0.3709

Previews

White Background



This preview shows how the XYZ color 39.3157, 18.4166, 85.4870 looks on a white background.

Color Contrast Check

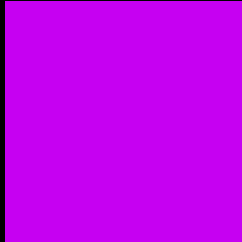
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 39.3157, 18.4166, 85.4870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

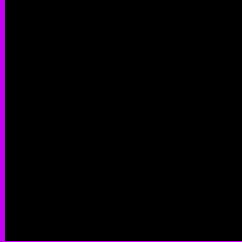
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.3157, 18.4166, 85.4870

Background



This preview shows how black text looks on a background with the XYZ color 39.3157, 18.4166, 85.4870.



This preview shows how white text looks on a background with the XYZ color 39.3157, 18.4166,

85.4870.

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

39.3157, 18.4166, 85.4870

Protanopia

22.7268, 19.0834, 88.8718

Deuteranopia

19.3487, 19.0722, 66.9515



Tritanopia

24.8506, 18.6087, 14.8524

Trichromacy



Original Color

39.3157, 18.4166, 85.4870



Protanomaly

21.4504, 12.8069, 86.9294



Deuteranomaly

18.9875, 12.2627, 72.6004



Tritanomaly

27.3732, 15.8459, 31.7528

Monochromacy



Original Color

39.3157, 18.4166, 85.4870



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.0765, 9.2276, 26.9731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3157, 18.4166, 85.4870 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(198, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 242)  
}
```

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(198, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 39.3157, 18.4166, 85.4870 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(198, 0, 242) }
```


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

```
.border{ border-color:rgb(198, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(198, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3157, 18.4166, 85.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 242) }
```

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

```
.background{ background-color: rgb(198, 0,  
242) }
```

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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