

Converting Colors

XYZ(39.0292, 18.1746, 89.7301)

Have a look what the booklet for
XYZ(39.0292, 18.1746, 89.7301)
contains.

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Color

**XYZ(39.0366, 18.1847,
89.4482)**

Conversions

Conversions Part 1

Format	Color
Hex	C200F7
RGB	194, 0, 247
RGB Percent	76%, 0%, 97%
CMY	0.2392, 0.9999, 0.0314
CMYK	0.21, 1.00, 0.00, 0.03
HSL	287°, 100%, 48%
HSV	287°, 100%, 97%
XYZ	39.0366, 18.1847, 89.4482
YIQ	86.1640, 36.3370, 117.9450

Conversions

Conversions Part 2

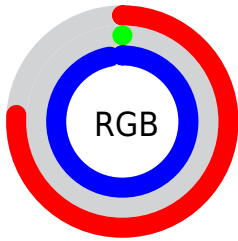
Format	Color
RYB	194, 0, 247
Decimal	12714231
CIELab	49.72, 88.39, -74.00
CIELCh	50, 115.278, 320.062
Yxy	18.1847, 0.2662, 0.1240
Android (android.graphics.Color)	4290904311 (0xFFC200F7)
YUV	86.1640, 79.2921, 94.5722
Hunter-Lab	42.6435, 88.7757, -94.5151

Details

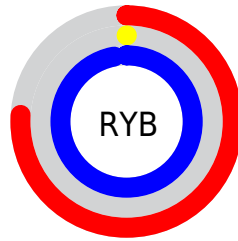
The XYZ color **39.0366, 18.1847, 89.4482** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **34.7297, 67.2790, 11.1561**, and the grayscale version is **8.7139, 9.1677, 9.9837**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **19.0168, 8.7425, 48.8293** is the 20% darker color. If you saturate the color by 10%, you get **39.0367, 18.1847, 89.4485**, and if you desaturate by 10%, it is **40.7637, 19.5821, 89.6272**.

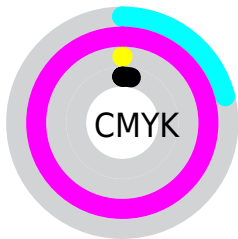
Distribution



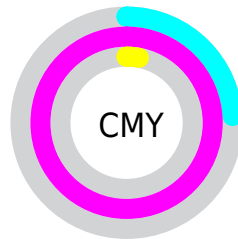
- Red (76%)
- Green (0%)
- Blue (97%)



- Red (76%)
- Yellow (0%)
- Blue (97%)



- Cyan (21%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)





- Cyan (24%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0366, 18.1847, 89.4482 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 39.0366, 18.1847, 89.4482 by changing the saturation by 10% instead.


 39.0366, 18.1847,
89.4482


 39.0366, 18.1847,
89.4482


333.2506,
241.9101, 546.7579


 26.9691, 11.0827,
66.9519


 72.9879, 40.3518,
148.5005


 17.6865, 6.1225,
48.5842


 95.6024, 56.1857,
185.8936


 10.8234, 2.9197,
33.9265


 122.4633, 75.6989,
229.0894

 6.0146, 1.0900,
22.5602

 153.9359, 99.2760,
278.5065

 2.8947, 0.0000,
14.0669

 190.3856,
127.3012, 334.5633

 1.0983, 0.0000,
8.0279

 232.1777,

 0.0237, 0.0000,

160.1591, 397.6785

4.0248

279.6775,
198.2339, 468.2705

■ 0.0000, 0.0000,
1.6390

■ 0.0000, 0.0000,
0.3184

■ 39.0366, 18.1847,
89.4482

■ 39.0366, 18.1847,
89.4482

■ 39.0367, 18.1847,
89.4485

■ 40.7637, 19.5821,
89.6272

■ 42.9716, 21.8695,
89.9524

■ 45.7956, 25.3155,
90.4687

■ 49.3167, 30.0816,
91.2030

■ 53.6030, 36.3033,
92.1780

■ 58.7142, 44.0992,
93.4134

■ 64.7038, 53.5754,
94.9268

■ 71.6205, 64.8290,
96.7344

■ 79.5093, 77.9494,
98.8511

Harmonies

Analogous

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



25.5801, 18.1847, 148.0931



39.0366, 18.1847, 89.4482



47.5132, 18.1847, 32.1677

Triad

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



39.0366, 18.1847, 89.4482



21.1874, 18.1847, 0.0000



4.0744, 18.1847, 48.6075

Complementary

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



39.0366, 18.1847, 89.4482



34.7297, 67.2790, 11.1561

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.



3.7176, 18.1847, 11.0947



39.0366, 18.1847, 89.4482



11.0089, 18.1847, 0.0000

Square

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



39.0366, 18.1847, 89.4482



34.6770, 18.1847, 0.0000



5.6281, 18.1847, 0.8194



6.9686, 18.1847, 111.6796

Rectangle

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



39.0366, 18.1847, 89.4482



47.4976, 18.1847, 11.0071



5.6281, 18.1847, 0.8194



3.7205, 18.1847, 32.3467

Sweetspot

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



39.0375, 18.1854, 89.4486



69.5267, 57.5387, 102.0494



18.0860, 9.3100, 88.8398



14.2746, 11.3470, 21.6878



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.



39.0375, 18.1854, 89.4486



41.9451, 19.5384, 96.1683



46.2959, 22.9497, 43.5954



16.8453, 16.5784, 20.8547



20.7697, 9.6815, 47.3121



1.9100, 0.8945, 4.1622

Inverse Universe

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



39.0009, 20.0317, 5.1804



41.9228, 21.5331, 5.5257



34.3663, 66.9639, 16.9072



16.6446, 16.5407, 17.8752



20.6682, 10.6107, 2.9612



1.8530, 0.9471, 0.4520

Previews

White Background



This preview shows how the XYZ color 39.0366, 18.1847, 89.4482 looks on a white background.

Color Contrast Check

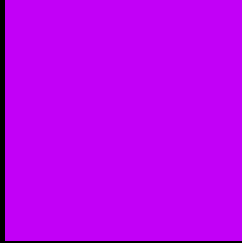
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 39.0366, 18.1847, 89.4482 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 39.0366, 18.1847, 89.4482

Background



This preview shows how black text looks on a background with the XYZ color 39.0366, 18.1847, 89.4482.



This preview shows how white text looks on a background with the XYZ color 39.0366, 18.1847,

89.4482.

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

39.0366, 18.1847, 89.4482

Protanopia

22.4231, 18.9618, 87.2722

Deuteranopia

18.9698, 18.7232, 65.5649



Tritanopia

24.0070, 18.4331, 15.3893

Trichromacy



Original Color

39.0366, 18.1847, 89.4482



Protanomaly

21.3764, 12.7688, 86.9259



Deuteranomaly

18.9135, 12.2246, 72.5969



Tritanomaly

26.7794, 15.6693, 33.0655

Monochromacy



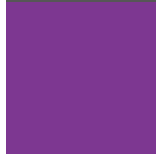
Original Color

39.0366, 18.1847, 89.4482



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.9345, 9.1367, 27.7645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0366, 18.1847, 89.4482 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(194, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(194, 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(194, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 39.0366, 18.1847, 89.4482 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(194, 0, 247) }
```


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

```
.border{ border-color:rgb(194, 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(194, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(194, 0,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0366, 18.1847, 89.4482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 0, 247) }
```

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

```
.background{ background-color: rgb(194, 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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