

Converting Colors

XYZ(38.9327, 17.9854, 96.0273)

Have a look what the booklet for
XYZ(38.9327, 17.9854, 96.0273)
contains.

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Color

**XYZ(39.0363, 18.0388,
96.0321)**

Conversions

Conversions Part 1

Format	Color
Hex	BD00FF
RGB	189, 0, 255
RGB Percent	74%, 0%, 100%
CMY	0.2588, 1.0000, 0.0000
CMYK	0.26, 1.00, 0.00, 0.00
HSL	284°, 100%, 50%
HSV	284°, 100%, 100%
XYZ	39.0363, 18.0388, 96.0321
YIQ	85.5810, 30.7890, 119.3730

Conversions

Conversions Part 2

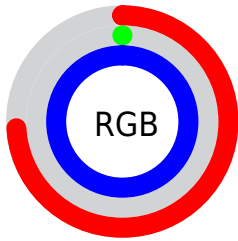
Format	Color
R_{YB}	189, 0, 255
Decimal	12386559
CIE _{Lab}	49.54, 89.15, -78.79
CIE _{LCh}	50, 118.978, 318.527
Yxy	18.0388, 0.2550, 0.1178
Android (android.graphics.Color)	4290576639 (0xFFBD00FF)
YUV	85.5810, 83.5236, 90.6985
Hunter-Lab	42.4721, 89.7339, -104.3279

Details

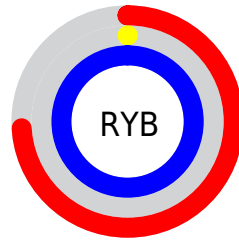
The XYZ color **39.0363, 18.0388, 96.0321** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **38.0071, 72.6784, 12.0254**, and the grayscale version is **8.5835, 9.0305, 9.8342**.

A 20% lighter version of the original color is **61.7480, 35.5579, 98.2166**, and **18.9801, 8.6204, 53.4869** is the 20% darker color. If you saturate the color by 10%, you get **39.0366, 18.0390, 96.0322**, and if you desaturate by 10%, it is **41.0705, 19.6198, 96.2301**.

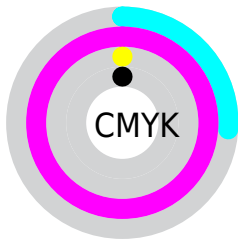
Distribution



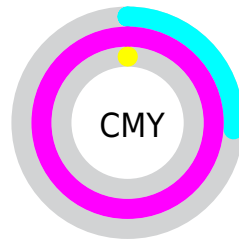
- Red (74%)
- Green (0%)
- Blue (100%)



- Red (74%)
- Yellow (0%)
- Blue (100%)



- Cyan (26%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0363, 18.0388, 96.0321 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 39.0363, 18.0388, 96.0321 by changing the saturation by 10% instead.

 39.0363, 18.0388,
96.0321


 39.0363, 18.0388,
96.0321

333.2493,
241.0897, 568.5324


 26.9688, 10.9778,
72.3927


 72.9875, 40.1034,
157.6975


 17.6863, 6.0519,
52.9907


 95.6019, 55.8759,
196.5606

 10.8233, 2.8767,
37.4077


 122.4627, 75.3210,
241.3354

 6.0146, 1.0677,
25.2250

 153.9352, 98.8231,
292.4403

 2.8947, 0.0000,
16.0242

 190.3847,
126.7666, 350.2939

 1.0983, 0.0000,
9.3868

 232.1767,

 0.0237, 0.0000,

159.5360, 415.3147

4.8941

279.6764,
197.5155, 487.9214

■ 0.0000, 0.0000,
2.1276

■ 0.0000, 0.0000,
0.6321

■ 39.0363, 18.0388,
96.0321

■ 39.0363, 18.0388,
96.0321

■ 39.0366, 18.0390,
96.0322

■ 41.0705, 19.6198,
96.2301

■ 43.6463, 22.1733,
96.5872

■ 46.9084, 25.9858,
97.1511

■ 50.9449, 31.2325,
97.9511

■ 55.8302, 38.0603,
99.0115

■ 61.6290, 46.5978,
100.3538

■ 68.3995, 56.9600,
101.9971

■ 76.1949, 69.2518,
103.9588

■ 85.0642, 83.5702,
106.2550

Harmonies

Analogous

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



24.9908, 18.0388, 156.7261



39.0363, 18.0388, 96.0321



48.3416, 18.0388, 34.7448

Triad

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



39.0363, 18.0388, 96.0321



21.8248, 18.0388, 0.0000



3.7161, 18.0388, 46.6849

Complementary

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



39.0363, 18.0388, 96.0321



38.0071, 72.6784, 12.0254

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.



3.4727, 18.0388, 9.7056



39.0363, 18.0388, 96.0321



11.1421, 18.0388, 0.0000

Square

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



39.0363, 18.0388, 96.0321



35.8643, 18.0388, 0.0000



5.4976, 18.0388, 0.4631



6.4287, 18.0388, 112.4368

Rectangle

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



39.0363, 18.0388, 96.0321



48.7285, 18.0388, 11.8034



5.4976, 18.0388, 0.4631



3.4064, 18.0388, 30.3513

Sweetspot

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



39.0372, 18.0394, 96.0322



68.3972, 56.9564, 101.9965



20.1176, 11.3550, 95.7392



14.0027, 11.2068, 21.6751



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.



39.0372, 18.0394, 96.0322



39.0366, 18.0390, 96.0322



51.1473, 25.2230, 54.1005



18.3068, 18.0499, 22.7691



20.5442, 9.5014, 50.1857



2.1022, 0.9776, 4.8912

Inverse Universe

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



42.2236, 21.6536, 7.1091



42.2233, 21.6533, 7.1081



36.5627, 71.8411, 16.1465



18.2023, 18.0642, 19.6825



22.1138, 11.3348, 3.9836



2.1954, 1.1205, 0.6106

Previews

White Background



This preview shows how the XYZ color 39.0363, 18.0388, 96.0321 looks on a white background.

Color Contrast Check

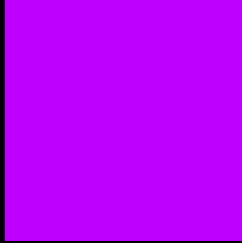
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.0363, 18.0388, 96.0321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

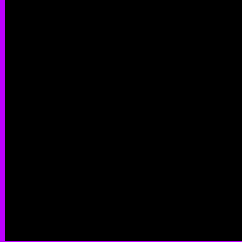
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.0363, 18.0388, 96.0321

Background



This preview shows how black text looks on a background with the XYZ color 39.0363, 18.0388, 96.0321.



This preview shows how white text looks on a background with the XYZ color 39.0363, 18.0388,

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

39.0363, 18.0388, 96.0321

Protanopia

22.1577, 18.6723, 86.4407

Deuteranopia

18.7174, 18.6222, 64.2360



Tritanopia

22.9369, 18.2829, 16.2300

Trichromacy



Original Color

39.0363, 18.0388, 96.0321



Protanomaly

21.6253, 12.7457, 89.3161



Deuteranomaly

19.0438, 12.2600, 74.0358



Tritanomaly

25.7220, 15.2387, 35.3039

Monochromacy



Original Color

39.0363, 18.0388, 96.0321



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.8010, 9.0499, 28.5705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0363, 18.0388, 96.0321 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(189, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 255)  
}
```

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(189, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.0363, 18.0388, 96.0321 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(189, 0, 255) }
```


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

```
.border{ border-color:rgb(189, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0363, 18.0388, 96.0321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 255) }
```

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

```
.background{ background-color: rgb(189, 0,  
255) }
```

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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