

Converting Colors

XYZ(39.4049, 18.4065, 96.0837)

Have a look what the booklet for
XYZ(39.4049, 18.4065, 96.0837)
contains.

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Color

**XYZ(39.4049, 18.4065,
96.0837)**

Conversions

Conversions Part 1

Format	Color
Hex	BE0BFF
RGB	190, 11, 255
RGB Percent	75%, 4%, 100%
CMY	0.2549, 0.9568, 0.0000
CMYK	0.25, 0.96, 0.00, 0.00
HSL	284°, 100%, 52%
HSV	284°, 96%, 100%
XYZ	39.4049, 18.4065, 96.0837
YIQ	92.3370, 28.3600, 113.8320

Conversions

Conversions Part 2

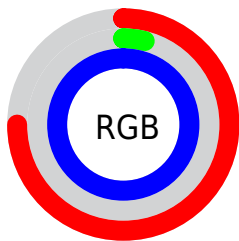
Format	Color
R _{YB}	190, 11, 255
Decimal	12454911
CIE _{Lab}	49.99, 88.41, -78.07
CIE _{LCh}	50, 117.941, 318.554
Yxy	18.4065, 0.2561, 0.1196
Android (android.graphics.Color)	4290644991 (0xFFBE0BFF)
YUV	92.3370, 80.1929, 85.6505
Hunter-Lab	42.9028, 88.8669, -102.7520

Details

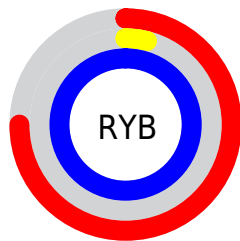
The XYZ color **39.4049, 18.4065, 96.0837** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **38.8015, 73.0810, 12.3779**, and the grayscale version is **10.0685, 10.5929, 11.5356**.

A 20% lighter version of the original color is **62.3778, 36.2812, 98.3230**, and **19.1313, 8.6983, 53.4939** is the 20% darker color. If you saturate the color by 10%, you get **38.5607, 17.7937, 96.0099**, and if you desaturate by 10%, it is **41.6690, 20.3557, 96.3406**.

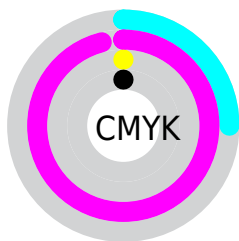
Distribution



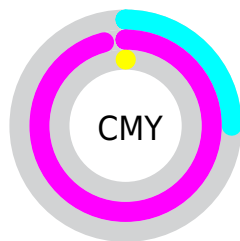
- Red (75%)
- Green (4%)
- Blue (100%)



- Red (75%)
- Yellow (4%)
- Blue (100%)



- Cyan (25%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (96%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4049, 18.4065, 96.0837 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 39.4049, 18.4065, 96.0837 by changing the saturation by 10% instead.


 39.4049, 18.4065,
96.0837


 39.4049, 18.4065,
96.0837


334.7865,
243.1524, 568.7013

 27.2570, 11.2422,
72.4354


 73.5466, 40.7288,
157.7694


 17.9039, 6.2300,
53.0254


 96.2711, 56.6556,
196.6438


 10.9803, 2.9854,
37.4352


 123.2518, 76.2720,
241.4307

 6.1208, 1.1241,
25.2462

 154.8541, 99.9625,
292.5487

 2.9600, 0.0000,
16.0399

 191.4434,
128.1113, 350.4161

 1.1327, 0.0000,
9.3977

 233.3850,

 0.0522, 0.0000,

161.1030, 415.4517

4.9012

281.0442,
199.3219, 488.0739

■ 0.0000, 0.0000,
2.1317

■ 0.0000, 0.0000,
0.6345

■ 39.4049, 18.4065,
96.0837

■ 39.4049, 18.4065,
96.0837

■ 38.5607, 17.7937,
96.0099

■ 41.6690, 20.3557,
96.3406

■ 44.5625, 23.4457,
96.7845

■ 48.1869, 27.8771,
97.4488

■ 52.6236, 33.8111,
98.3604

■ 57.9424, 41.3859,
99.5421

■ 64.2052, 50.7237,
101.0144

■ 71.4679, 61.9351,
102.7956

■ 79.7818, 75.1213,
104.9026

■ 89.1946, 90.3762,
107.3510

Harmonies

Analogous

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



25.3742, 18.4065, 156.2304



39.4049, 18.4065, 96.0837



48.6698, 18.4065, 35.1292

Triad

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



39.4049, 18.4065, 96.0837



22.1787, 18.4065, 0.0000



3.9104, 18.4065, 47.1373

Complementary

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



39.4049, 18.4065, 96.0837



38.8015, 73.0810, 12.3779

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.



3.6588, 18.4065, 10.0428



39.4049, 18.4065, 96.0837



11.4431, 18.4065, 0.0000

Square

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



39.4049, 18.4065, 96.0837



36.2163, 18.4065, 0.0000



5.7265, 18.4065, 0.5674



6.6814, 18.4065, 112.4738

Rectangle

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



39.4049, 18.4065, 96.0837



49.0480, 18.4065, 12.1263



5.7265, 18.4065, 0.5674



3.5920, 18.4065, 30.8161

Sweetspot

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



39.4058, 18.4071, 96.0838



68.9443, 58.0014, 102.1694



20.7777, 12.4703, 95.9196



14.0982, 11.3993, 21.7072



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.



39.4058, 18.4071, 96.0838



38.5607, 17.7937, 96.0099



51.5608, 25.5800, 55.6877



18.2929, 18.0427, 22.7684



20.2978, 9.3744, 50.1742



2.0799, 0.9662, 4.8901

Inverse Universe

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



42.6645, 22.0215, 8.8406



42.2812, 21.6765, 7.4131



36.9397, 72.0079, 17.4114



18.2080, 18.0665, 19.7127



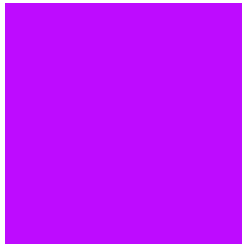
22.1452, 11.3474, 4.1490



2.1992, 1.1220, 0.6303

Previews

White Background



This preview shows how the XYZ color 39.4049, 18.4065, 96.0837 looks on a white background.

Color Contrast Check

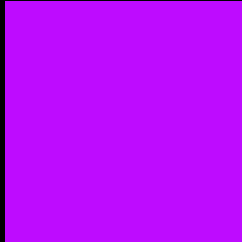
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.4049, 18.4065, 96.0837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

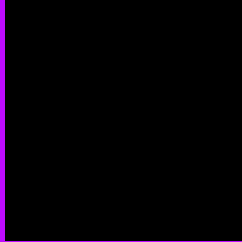
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.4049, 18.4065, 96.0837

Background



This preview shows how black text looks on a background with the XYZ color 39.4049, 18.4065, 96.0837.



This preview shows how white text looks on a background with the XYZ color 39.4049, 18.4065,

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

39.4049, 18.4065, 96.0837

Protanopia

22.4231, 18.9618, 87.2722

Deuteranopia

18.8432, 18.6725, 64.8984



Tritanopia

23.2003, 18.4125, 16.5185

Trichromacy



Original Color

39.4049, 18.4065, 96.0837



Protanomaly

21.9671, 13.4294, 89.4300



Deuteranomaly

19.4751, 12.9012, 74.8625



Tritanomaly

26.1793, 15.8214, 35.3922

Monochromacy



Original Color

39.4049, 18.4065, 96.0837



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

16.2655, 10.3786, 30.4241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4049, 18.4065, 96.0837 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(190, 11, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 11, 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(190, 11, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 11, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.4049, 18.4065, 96.0837 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(190, 11, 255) }
```


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

```
.border{ border-color:rgb(190, 11, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 11, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 11, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 11, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 11,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4049, 18.4065, 96.0837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 11, 255) }
```

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

```
.background{ background-color: rgb(190, 11,  
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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