

# Converting Colors

XYZ(39.4492, 18.8861, 96.1739)

Have a look what the booklet for  
XYZ(39.4492, 18.8861, 96.1739)  
contains.

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# Color

**XYZ(39.4756, 18.9175,  
96.1786)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | BD1DFF                      |
| RGB         | 189, 29, 255                |
| RGB Percent | 74%, 11%, 100%              |
| CMY         | 0.2588, 0.8863, 0.0000      |
| CMYK        | 0.26, 0.89, 0.00, 0.00      |
| HSL         | 282°, 100%, 56%             |
| HSV         | 282°, 89%, 100%             |
| XYZ         | 39.4756, 18.9175, 96.1786   |
| YIQ         | 102.6040, 22.8140, 104.2060 |

# Conversions

## Conversions Part 2

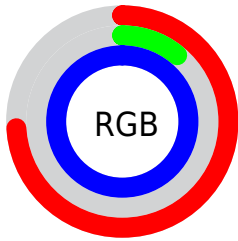
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 189, 29, 255                   |
| Decimal                             | 12393983                       |
| CIELab                              | 50.59, 86.02, -77.09           |
| CIELCh                              | 51, 115.508, 318.136           |
| Yxy                                 | 18.9175, 0.2554,<br>0.1224     |
| Android<br>(android.graphics.Color) | 4290584063<br>(0xFFBD1DFF)     |
| YUV                                 | 102.6040, 75.1312,<br>75.7693  |
| Hunter-Lab                          | 43.4943, 85.8925,<br>-100.6617 |

# Details

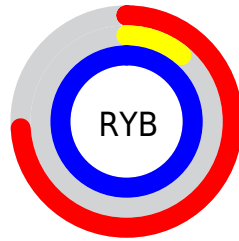
The XYZ color **39.4756, 18.9175, 96.1786** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed purple. A complement of this color would be **40.7013, 74.0417, 13.3090**, and the grayscale version is **12.5935, 13.2494, 14.4285**.

A 20% lighter version of the original color is **62.2257, 37.0467, 98.4788**, and **18.9801, 8.6204, 53.4869** is the 20% darker color. If you saturate the color by 10%, you get **37.2748, 17.1872, 95.9606**, and if you desaturate by 10%, it is **42.2749, 21.7017, 96.5685**.

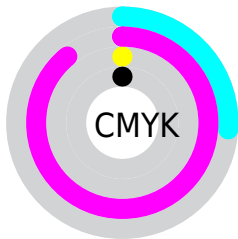
# Distribution



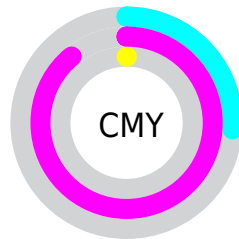
- Red (74%)
- Green (11%)
- Blue (100%)



- Red (74%)
- Yellow (11%)
- Blue (100%)



- Cyan (26%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (89%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4756, 18.9175, 96.1786 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 39.4756, 18.9175, 96.1786 by changing the saturation by 10% instead.



 39.4756, 18.9175,  
96.1786


 39.4756, 18.9175,  
96.1786


335.0808,  
245.9929, 569.0117


 27.3123, 11.6107,  
72.5140


 73.6537, 41.5946,  
157.9014


 17.9457, 6.4792,  
53.0893


 96.3993, 57.7338,  
196.7968


 11.0105, 3.1386,  
37.4858


 123.4030, 77.5858,  
241.6061

 6.1412, 1.2045,  
25.2851

 155.0301,  
101.5351, 292.7480

 2.9726, 0.0654,  
16.0687

 191.6462,  
129.9660, 350.6410

 1.1393, 0.0000,  
9.4179

 233.6164,

 0.0576, 0.0000,

163.2631, 415.7035

4.9142

281.3061,  
201.8106, 488.3543

■ 0.0000, 0.0000,  
2.1392

■ 0.0000, 0.0000,  
0.6389

■ 39.4756, 18.9175,  
96.1786

■ 39.4756, 18.9175,  
96.1786

■ 37.2748, 17.1872,  
95.9606

■ 42.2749, 21.7017,  
96.5685

■ 36.9967, 16.9874,  
95.9367

■ 45.7925, 25.7807,  
97.1704

■ 50.1155, 31.3258,  
98.0129

■ 55.3171, 38.4813,  
99.1198

■ 61.4616, 47.3736,  
100.5124

■ 68.6066, 58.1166,  
102.2094

■ 76.8052, 70.8141,  
104.2282

■ 86.1063, 85.5623,  
106.5846

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



25.6191, 18.9175, 154.1656



39.4756, 18.9175, 96.1786



48.6890, 18.9175, 36.2056

# Triad

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



39.4756, 18.9175, 96.1786



22.8229, 18.9175, 0.0000



4.2350, 18.9175, 46.6414

# Complementary

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



39.4756, 18.9175, 96.1786



40.7013, 74.0417, 13.3090

# 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.



4.0049, 18.9175, 10.2778



39.4756, 18.9175, 96.1786



12.0347, 18.9175, 0.0000

# Square

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



39.4756, 18.9175, 96.1786



36.7064, 18.9175, 0.0841



6.1753, 18.9175, 0.7088



7.0360, 18.9175, 110.2489



# Rectangle

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



39.4756, 18.9175, 96.1786



49.1670, 18.9175, 12.9932



6.1753, 18.9175, 0.7088



3.9154, 18.9175, 30.7079

# Sweetspot

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



39.4765, 18.9182, 96.1787



69.8665, 60.0452, 102.5153



22.8133, 15.9943, 96.4926



14.3948, 11.9979, 21.8071



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.



39.4765, 18.9182, 96.1787



36.9967, 16.9874, 95.9367



53.2875, 26.7822, 63.2037



18.2456, 18.0184, 22.7662



19.4876, 8.9567, 50.1363



2.0064, 0.9282, 4.8867



# Inverse Universe

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



43.7451, 22.9652, 12.9539



42.4918, 21.7607, 8.5220



37.5097, 72.2784, 18.4887



18.2275, 18.0743, 19.8154



22.2589, 11.3929, 4.7481



2.2124, 1.1273, 0.7001



# Previews

## White Background



This preview shows how the XYZ color 39.4756, 18.9175, 96.1786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

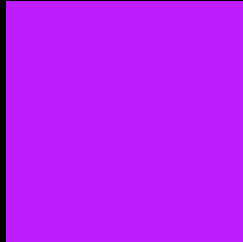
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4756, 18.9175, 96.1786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

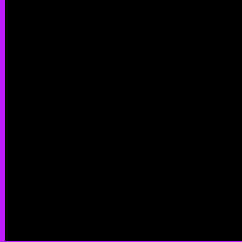
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.4756, 18.9175, 96.1786**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4756, 18.9175, 96.1786.



This preview shows how white text looks on a background with the XYZ color 39.4756, 18.9175,



# 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

39.4756, 18.9175, 96.1786

### Protanopia

22.9958, 19.3764, 89.7168

### Deuteranopia

19.3453, 19.2703, 66.3183



## Tritanopia

23.2917, 18.7355, 17.1406

# Trichromacy



## Original Color

39.4756, 18.9175, 96.1786



## Protanomaly

22.8016, 14.6018, 91.2392



## Deuteranomaly

20.1695, 14.0671, 75.7809



## Tritanomaly

26.5825, 16.6752, 36.4679

# Monochromacy



## Original Color

39.4756, 18.9175, 96.1786



## Achromatopsia

12.8919, 13.5633, 14.7705



## Achromatomaly

18.5875, 12.7058, 33.8206

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4756, 18.9175, 96.1786 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, 29, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 29, 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, 29, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 29, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4756, 18.9175, 96.1786 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, 29, 255) }
```



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

```
.border{ border-color:rgb(189, 29, 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, 29, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 29, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 29, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 29,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4756, 18.9175, 96.1786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 29, 255) }
```

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

```
.background{ background-color: rgb(189, 29,  
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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