

Converting Colors

XYZ(39.3079, 18.1789, 96.0449)

Have a look what the booklet for
XYZ(39.3079, 18.1789, 96.0449)
contains.

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Color

**XYZ(39.2852, 18.1671,
96.0438)**

Conversions

Conversions Part 1

Format	Color
Hex	BE00FF
RGB	190, 0, 255
RGB Percent	75%, 0%, 100%
CMY	0.2549, 1.0000, 0.0000
CMYK	0.25, 1.00, 0.00, 0.00
HSL	285°, 100%, 50%
HSV	285°, 100%, 100%
XYZ	39.2852, 18.1671, 96.0438
YIQ	85.8800, 31.3850, 119.5850

Conversions

Conversions Part 2

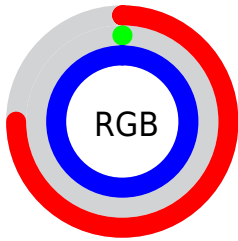
Format	Color
RYB	190, 0, 255
Decimal	12452095
CIELab	49.70, 89.27, -78.54
CIElCh	50, 118.897, 318.659
Yxy	18.1671, 0.2559, 0.1184
Android (android.graphics.Color)	4290642175 (0xFFBE00FF)
YUV	85.8800, 83.3762, 91.3132
Hunter-Lab	42.6229, 89.9321, -103.7645

Details

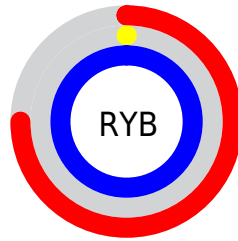
The XYZ color **39.2852, 18.1671, 96.0438** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **37.9403, 72.6440, 12.0223**, and the grayscale version is **8.6461, 9.0964, 9.9060**.

A 20% lighter version of the original color is **62.1976, 35.9209, 98.2630**, and **19.1313, 8.6983, 53.4939** is the 20% darker color. If you saturate the color by 10%, you get **39.2855, 18.1673, 96.0438**, and if you desaturate by 10%, it is **41.3046, 19.7405, 96.2410**.

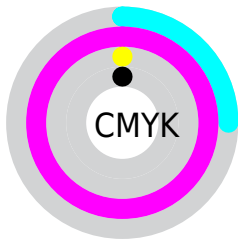
Distribution



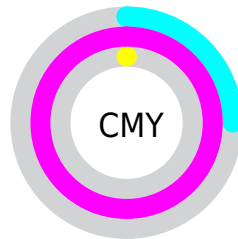
- Red (75%)
- Green (0%)
- Blue (100%)



- Red (75%)
- Yellow (0%)
- Blue (100%)



- Cyan (25%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2852, 18.1671, 96.0438 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 39.2852, 18.1671, 96.0438 by changing the saturation by 10% instead.

 39.2852, 18.1671,
96.0438


 39.2852, 18.1671,
96.0438


334.2878,
241.8112, 568.5707


 27.1634, 11.0700,
72.4024


 73.3651, 40.3219,
157.7138


 17.8332, 6.1140,
52.9986

 96.0539, 56.1483,
196.5795


 10.9293, 2.9145,
37.4139


 122.9957, 75.6534,
241.3570

 6.0862, 1.0873,
25.2298

 154.5559, 99.2214,
292.4648

 2.9387, 0.0000,
16.0278

 191.0999,
127.2368, 350.3216

 1.1214, 0.0000,
9.3893

 232.9930,

 0.0429, 0.0000,

160.0840, 415.3458

4.8957

280.6005,
198.1473, 487.9560

■ 0.0000, 0.0000,
2.1285

■ 0.0000, 0.0000,
0.6327

■ 39.2852, 18.1671,
96.0438

■ 39.2852, 18.1671,
96.0438

■ 39.2855, 18.1673,
96.0438

■ 41.3046, 19.7405,
96.2410

■ 43.8636, 22.2853,
96.5974

■ 47.1066, 26.0879,
97.1604

■ 51.1218, 31.3236,
97.9594

■ 55.9835, 38.1393,
99.0187

■ 61.7564, 46.6634,
100.3598

■ 68.4987, 57.0110,
102.0017

■ 76.2634, 69.2870,
103.9620

■ 85.0997, 83.5884,
106.2567

Harmonies

Analogous

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



25.2025, 18.1671, 156.9398



39.2852, 18.1671, 96.0438



48.5755, 18.1671, 34.7314

Triad

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



39.2852, 18.1671, 96.0438



21.9069, 18.1671, 0.0000



3.7711, 18.1671, 47.1517

Complementary

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



39.2852, 18.1671, 96.0438



37.9403, 72.6440, 12.0223

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.



3.5164, 18.1671, 9.8866



39.2852, 18.1671, 96.0438



11.2016, 18.1671, 0.0000

Square

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



39.2852, 18.1671, 96.0438



35.9861, 18.1671, 0.0000



5.5445, 18.1671, 0.5000



6.5169, 18.1671, 113.0844

Rectangle

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



39.2852, 18.1671, 96.0438



48.9285, 18.1671, 11.8066



5.5445, 18.1671, 0.5000



3.4556, 18.1671, 30.7194

Sweetspot

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



39.2861, 18.1677, 96.0439



68.4965, 57.0076, 102.0012



20.1176, 11.3550, 95.7392



14.0266, 11.2191, 21.6762



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.



39.2861, 18.1677, 96.0439



39.2855, 18.1673, 96.0438



51.1473, 25.2230, 54.1005



18.3141, 18.0536, 22.7694



20.6730, 9.5678, 50.1918



2.1138, 0.9836, 4.8917

Inverse Universe

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



42.1943, 21.6419, 6.9551



42.1941, 21.6416, 6.9542



36.5627, 71.8411, 16.1465



18.1993, 18.0630, 19.6668



22.0979, 11.3284, 3.9000



2.1935, 1.1198, 0.6006

Previews

White Background



This preview shows how the XYZ color 39.2852, 18.1671, 96.0438 looks on a white background.

Color Contrast Check

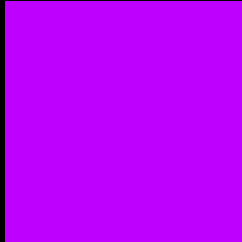
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.2852, 18.1671, 96.0438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

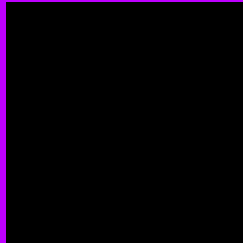
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.2852, 18.1671, 96.0438

Background



This preview shows how black text looks on a background with the XYZ color 39.2852, 18.1671, 96.0438.



This preview shows how white text looks on a background with the XYZ color 39.2852, 18.1671,

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

39.2852, 18.1671, 96.0438

Protanopia

22.3084, 18.7325, 87.2340

Deuteranopia

18.8432, 18.6725, 64.8984



Tritanopia

23.1474, 18.3914, 16.2398

Trichromacy



Original Color

39.2852, 18.1671, 96.0438



Protanomaly

21.6253, 12.7457, 89.3161



Deuteranomaly

19.1822, 12.3154, 74.7649



Tritanomaly

25.9456, 15.3540, 35.3143

Monochromacy



Original Color

39.2852, 18.1671, 96.0438



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.9448, 9.1240, 28.5772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2852, 18.1671, 96.0438 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, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.2852, 18.1671, 96.0438 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, 0, 255) }
```


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

```
.border{ border-color:rgb(190, 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(190, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2852, 18.1671, 96.0438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 255) }
```

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

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