

Converting Colors

XYZ(39.9068, 23.9364, 90.7974)

Have a look what the booklet for
XYZ(39.9068, 23.9364, 90.7974)
contains.

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Color

**XYZ(39.8893, 23.9274,
90.5117)**

Conversions

Conversions Part 1

Format	Color
Hex	B759F7
RGB	183, 89, 247
RGB Percent	72%, 35%, 97%
CMY	0.2823, 0.6510, 0.0314
CMYK	0.26, 0.64, 0.00, 0.03
HSL	276°, 91%, 66%
HSV	276°, 64%, 97%
XYZ	39.8893, 23.9274, 90.5117
YIQ	135.1180, 5.3060, 69.0660

Conversions

Conversions Part 2

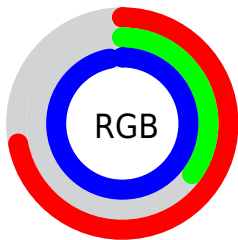
Format	Color
R _Y B	183, 89, 247
Decimal	12016119
CIE Lab	56.02, 63.94, -63.89
CIE LCh	56, 90.387, 315.023
Yxy	23.9274, 0.2585, 0.1550
Android (android.graphics.Color)	4290206199 (0xFFB759F7)
YUV	135.1180, 55.1578, 41.9925
Hunter-Lab	48.9156, 59.9592, -75.4671

Details

The XYZ color **39.8893, 23.9274, 90.5117** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **48.2011, 74.0155, 21.1977**, and the grayscale version is **22.8743, 24.0656, 26.2074**.

A 20% lighter version of the original color is **64.6412, 46.0438, 100.0881**, and **18.2160, 9.0062, 49.4935** is the 20% darker color. If you saturate the color by 10%, you get **35.8723, 19.3005, 89.8308**, and if you desaturate by 10%, it is **44.7668, 30.0216, 91.4314**.

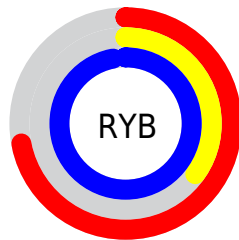
Distribution



Red (72%)

Green (35%)

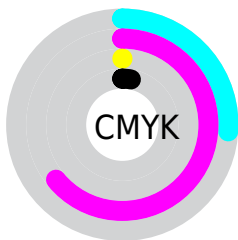
Blue (97%)



Red (72%)

Yellow (35%)

Blue (97%)

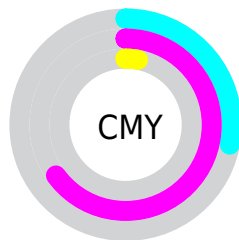


Cyan (26%)

Magenta (64%)

Yellow (0%)

Black (3%)



Cyan (28%)


Magenta (65%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8893, 23.9274, 90.5117 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 39.8893, 23.9274, 90.5117 by changing the saturation by 10% instead.


 39.8893, 23.9274,
90.5117


 39.8893, 23.9274,
90.5117


336.7992,
272.4532, 550.3070


 27.6361, 15.2798,
67.8290


 74.2803, 49.9117,
149.9907

 18.1906, 9.0160,
49.2928


 97.1488, 68.0172,
187.6241

 11.1874, 4.7516,
34.4846


 124.2865, 90.0440,
231.0781

 6.2612, 2.1023,
22.9858

 156.0586,
116.3767, 280.7713

 3.0467, 0.6659,
14.3778

192.8306,
147.3996, 337.1223

 1.1785, 0.0000,
8.2421

234.9678,

 0.0893, 0.0000,

183.4970, 400.5495

4.1603

282.8355,
225.0534, 471.4716

■ 0.0000, 0.0000,
1.7137

■ 0.0000, 0.0000,
0.3701

■ 39.8893, 23.9274,
90.5117

■ 39.8893, 23.9274,
90.5117

■ 35.8723, 19.3005,
89.8308

■ 44.7668, 30.0216,
91.4314

■ 32.6370, 15.9922,
89.3627

■ 50.5670, 37.7065,
92.6090

■ 30.0928, 13.8255,
89.0786

■ 57.3497, 47.0951,
94.0637

■ 28.8126, 12.9141,
88.9702

■ 65.1680, 58.2893,
95.8123

74.0711, 71.3825,
97.8703

84.1048, 86.4618,
100.2521

93.0700, 99.1250,
102.2238

93.7886, 99.4954,
102.2574

Harmonies

Analogous

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



28.2902, 23.9274, 128.6968



39.8893, 23.9274, 90.5117



47.8389, 23.9274, 43.6970

Triad

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



39.8893, 23.9274, 90.5117



28.2727, 23.9274, 0.6475



8.4449, 23.9274, 43.7584

Complementary

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



39.8893, 23.9274, 90.5117



48.2011, 74.0155, 21.1977

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.



8.4428, 23.9274, 13.9415



39.8893, 23.9274, 90.5117



17.9717, 23.9274, 0.6488

Square

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



39.8893, 23.9274, 90.5117



39.8731, 23.9274, 2.9730



11.3848, 23.9274, 2.9805



11.3918, 23.9274, 90.5847

Rectangle

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



39.8893, 23.9274, 90.5117



48.8285, 23.9274, 21.3823



11.3848, 23.9274, 2.9805



8.1373, 23.9274, 31.3584

Sweetspot

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



39.8904, 23.9283, 90.5123



74.6389, 69.3540, 104.0605



32.6026, 32.2273, 92.4982



15.3998, 14.0007, 22.1407



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.



39.8904, 23.9283, 90.5123



37.3804, 19.4803, 96.3976



56.7580, 32.8504, 81.0662



16.5266, 16.4141, 20.8398



15.4029, 6.9148, 47.0609



1.4699, 0.6676, 4.1416

Inverse Universe

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



47.6803, 29.2194, 33.2639



47.3867, 26.1923, 26.6720



39.7877, 69.6085, 23.9532



16.7773, 16.5938, 18.5739



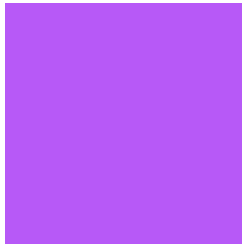
21.5699, 10.9714, 7.7095



1.9453, 0.9841, 0.9383

Previews

White Background



This preview shows how the XYZ color 39.8893, 23.9274, 90.5117 looks on a white background.

Color Contrast Check

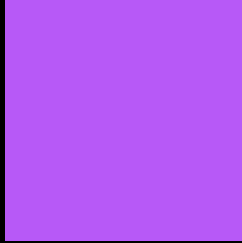
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.8893, 23.9274, 90.5117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

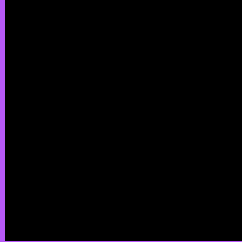
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.8893, 23.9274, 90.5117

Background



This preview shows how black text looks on a background with the XYZ color 39.8893, 23.9274, 90.5117.



This preview shows how white text looks on a background with the XYZ color 39.8893, 23.9274,

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

39.8893, 23.9274, 90.5117

Protanopia

28.1470, 24.2753, 97.8098

Deuteranopia

25.1512, 24.2528, 84.2446



Tritanopia

26.6264, 23.7519, 25.3715

Trichromacy



Original Color

39.8893, 23.9274, 90.5117



Protanomaly

29.7648, 22.4155, 94.8533



Deuteranomaly

26.9882, 21.8717, 86.0183



Tritanomaly

30.1190, 23.0828, 42.9124

Monochromacy



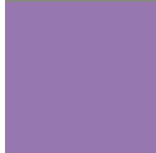
Original Color

39.8893, 23.9274, 90.5117



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

27.2638, 22.7669, 44.0318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8893, 23.9274, 90.5117 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(183, 89, 247)` looks like.

```
.text, #text, p{  
    color:rgb(183, 89, 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(183, 89, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 89, 247) }
```

Border

The CSS property to change the border of an element to XYZ 39.8893, 23.9274, 90.5117 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(183, 89, 247) }
```


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

```
.border{ border-color:rgb(183, 89, 247) }
```

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

Here you see how a box with a 4 pixel rgb(183, 89, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 89, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 89, 247);  
box-shadow:4px 4px 4px 4px rgb(183, 89,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8893, 23.9274, 90.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 89, 247) }
```

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

```
.background{ background-color: rgb(183, 89,  
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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