

Converting Colors

XYZ(38.8553, 21.9179, 77.0463)

Have a look what the booklet for
XYZ(38.8553, 21.9179, 77.0463)
contains.

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Color

**XYZ(38.9136, 21.9476,
77.0482)**

Conversions

Conversions Part 1

Format	Color
Hex	C249E6
RGB	194, 73, 230
RGB Percent	76%, 29%, 90%
CMY	0.2392, 0.7137, 0.0980
CMYK	0.16, 0.68, 0.00, 0.10
HSL	286°, 76%, 59%
HSV	286°, 68%, 90%
XYZ	38.9136, 21.9476, 77.0482
YIQ	127.0770, 21.7190, 74.4790

Conversions

Conversions Part 2

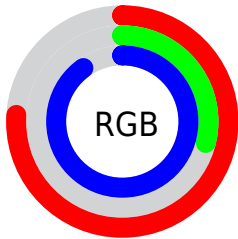
Format	Color
RYB	194, 73, 230
Decimal	12732902
CIELab	53.97, 69.67, -57.58
CIELCh	54, 90.387, 320.426
Yxy	21.9476, 0.2822, 0.1591
Android (android.graphics.Color)	4290922982 (0xFFC249E6)
YUV	127.0770, 50.7410, 58.6915
Hunter-Lab	46.8483, 66.2831, -64.7165

Details

The XYZ color **38.9136, 21.9476, 77.0482** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **35.8067, 60.3263, 16.0611**, and the grayscale version is **20.0264, 21.0693, 22.9445**.

A 20% lighter version of the original color is **66.9057, 44.2561, 99.6237**, and **17.7933, 8.2902, 40.7068** is the 20% darker color. If you saturate the color by 10%, you get **36.3427, 18.7789, 76.5724**, and if you desaturate by 10%, it is **42.0928, 26.2597, 77.7133**.

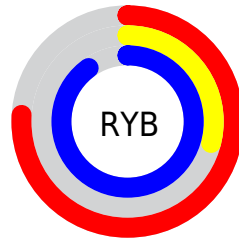
Distribution



Red (76%)

Green (29%)

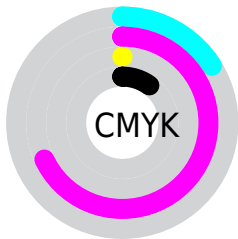
Blue (90%)



Red (76%)

Yellow (29%)

Blue (90%)

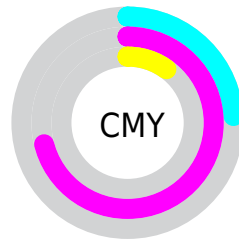


Cyan (16%)

Magenta (68%)

Yellow (0%)

Black (10%)



Cyan (24%)

Magenta (71%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9136, 21.9476, 77.0482 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 38.9136, 21.9476, 77.0482 by changing the saturation by 10% instead.

38.9136, 21.9476,
77.0482

38.9136, 21.9476,
77.0482

332.7365,
262.2725, 504.3704

26.8729, 13.8184,
56.7806

72.8012, 46.6594,
130.9812

17.6139, 7.9945,
40.4210

95.3789, 64.0107,
165.4836

10.7712, 4.0914,
27.5506

122.1996, 85.2050,
205.5681

5.9793, 1.7248,
17.7511

153.6288,
110.6264, 251.6532

2.8731, 0.4397,
10.6039

190.0317,
140.6595, 304.1575

1.0870, 0.0000,
5.6903

231.7737,

0.0142, 0.0000,

175.6886, 363.4994

2.5920

279.2202,
216.0982, 430.0975

■ 0.0000, 0.0000,
0.8883

■ 0.0000, 0.0000,
0.0000

■ 38.9136, 21.9476,
77.0482

■ 38.9136, 21.9476,
77.0482

■ 36.3427, 18.7789,
76.5724

■ 42.0928, 26.2597,
77.7133

■ 34.3118, 16.6204,
76.2628


■ 45.9332, 31.8231,
78.5848


■ 32.7281, 15.2865,
76.0889


■ 50.4848, 38.7363,
79.6792


■ 32.4744, 15.0912,
76.0645


■ 55.7919, 47.0870,
81.0114

 61.8949, 56.9553,
82.5945

 68.8312, 68.4155,
84.4409

 76.6359, 81.5369,
86.5623

 84.6990, 95.0990,
88.7551

 86.4780, 96.0161,
88.8383

Harmonies

Analogous

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



28.1145, 21.9476, 117.8458



38.9136, 21.9476, 77.0482



45.3579, 21.9476, 33.9902

Triad

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



38.9136, 21.9476, 77.0482



24.1379, 21.9476, 0.2745



7.7587, 21.9476, 47.9718

Complementary

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



38.9136, 21.9476, 77.0482



35.8067, 60.3263, 16.0611

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.



7.2936, 21.9476, 16.0306



38.9136, 21.9476, 77.0482



14.9758, 21.9476, 0.5838

Square

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



38.9136, 21.9476, 77.0482



35.2353, 21.9476, 1.8022



9.4864, 21.9476, 3.4125



11.0482, 21.9476, 93.8121

Rectangle

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



38.9136, 21.9476, 77.0482



45.2767, 21.9476, 15.4353



9.4864, 21.9476, 3.4125



7.3176, 21.9476, 34.9950

Sweetspot

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



38.9145, 21.9485, 77.0487



76.7107, 69.5149, 103.9824



22.5678, 18.2035, 77.1874



15.9419, 14.1040, 22.1321



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.



38.9145, 21.9485, 77.0487



44.7705, 22.4395, 96.5793



44.1078, 25.2254, 50.1975



14.6550, 14.4399, 18.1591



18.4966, 8.6012, 43.0685



1.4459, 0.6763, 3.1863

Inverse Universe

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



37.7766, 22.6929, 16.8579



44.2265, 24.0116, 12.8570



34.1320, 59.2453, 25.8170



14.5117, 14.4219, 15.6289



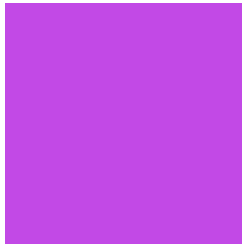
18.8740, 9.6838, 2.9657



1.4297, 0.7296, 0.4036

Previews

White Background



This preview shows how the XYZ color 38.9136, 21.9476, 77.0482 looks on a white background.

Color Contrast Check

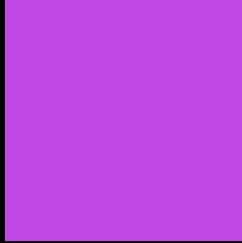
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9136, 21.9476, 77.0482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

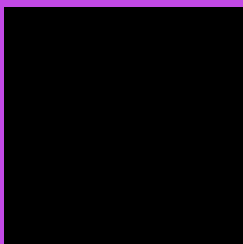
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.9136, 21.9476, 77.0482

Background



This preview shows how black text looks on a background with the XYZ color 38.9136, 21.9476, 77.0482.



This preview shows how white text looks on a background with the XYZ color 38.9136, 21.9476,

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

38.9136, 21.9476, 77.0482

Protanopia

26.4658, 22.4451, 97.5452

Deuteranopia

22.9508, 22.1893, 70.7835



Tritanopia

27.0988, 21.7103, 19.9018

Trichromacy



Original Color

38.9136, 21.9476, 77.0482



Protanomaly

26.9342, 19.6145, 89.5552



Deuteranomaly

25.4787, 19.6986, 72.9803



Tritanomaly

30.2080, 21.0593, 35.2736

Monochromacy



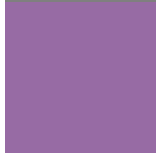
Original Color

38.9136, 21.9476, 77.0482



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

24.7210, 19.7750, 37.6360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9136, 21.9476, 77.0482 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(194, 73, 230)` looks like.

```
.text, #text, p{  
    color:rgb(194, 73, 230)  
}
```

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(194, 73, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 73, 230) }
```

Border

The CSS property to change the border of an element to XYZ 38.9136, 21.9476, 77.0482 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(194, 73, 230) }
```


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

```
.border{ border-color:rgb(194, 73, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 73, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 73, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 73, 230);  
box-shadow:4px 4px 4px 4px rgb(194, 73,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9136, 21.9476, 77.0482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 73, 230) }
```

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

```
.background{ background-color: rgb(194, 73,  
230) }
```

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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