

Converting Colors

XYZ(40.0684, 19.6385, 79.5198)

Have a look what the booklet for
XYZ(40.0684, 19.6385, 79.5198)
contains.

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Color

**XYZ(39.9442, 19.5656,
79.5131)**

Conversions

Conversions Part 1

Format	Color
Hex	CB1EEA
RGB	203, 30, 234
RGB Percent	80%, 12%, 92%
CMY	0.2039, 0.8823, 0.0824
CMYK	0.13, 0.87, 0.00, 0.08
HSL	291°, 83%, 52%
HSV	291°, 87%, 92%
XYZ	39.9442, 19.5656, 79.5131
YIQ	104.9830, 37.6240, 100.1200

Conversions

Conversions Part 2

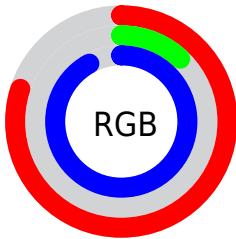
Format	Color
R _Y B	203, 30, 234
Decimal	13311722
CIE Lab	51.34, 84.25, -64.00
CIE LCh	51, 105.800, 322.780
Yxy	19.5656, 0.2873, 0.1407
Android (android.graphics.Color)	4291501802 (0xFFFCB1EEA)
YUV	104.9830, 63.6054, 85.9609
Hunter-Lab	44.2330, 83.7849, -75.6164

Details

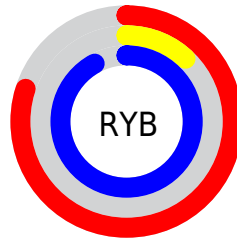
The XYZ color **39.9442, 19.5656, 79.5131** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **31.5824, 59.9320, 11.1324**, and the grayscale version is **13.2509, 13.9409, 15.1817**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **19.2635, 9.0140, 42.3195** is the 20% darker color. If you saturate the color by 10%, you get **38.5949, 18.2873, 79.3378**, and if you desaturate by 10%, it is **41.7520, 21.7261, 79.8352**.

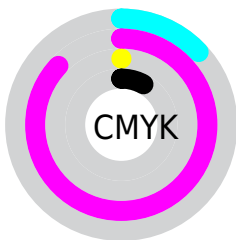
Distribution



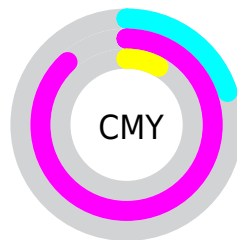
- Red (80%)
- Green (12%)
- Blue (92%)



- Red (80%)
- Yellow (12%)
- Blue (92%)



- Cyan (13%)
- Magenta (87%)
- Yellow (0%)
- Black (8%)





- Cyan (20%)
- Magenta (88%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9442, 19.5656, 79.5131 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 39.9442, 19.5656, 79.5131 by changing the saturation by 10% instead.

 39.9442, 19.5656,
79.5131


 39.9442, 19.5656,
79.5131


337.0268,
249.5537, 512.9539


 27.6791, 12.0797,
58.7940


 74.3634, 42.6877,
134.4862


 18.2231, 6.7980,
42.0284


 97.2482, 59.0926,
169.5772


 11.2109, 3.3361,
28.7978


 124.4036, 79.2393,
210.2959

 6.2772, 1.3096,
18.6836

 156.1949,
103.5122, 257.0608

 3.0566, 0.1486,
11.2674

 192.9875,
132.2957, 310.2906

 1.1838, 0.0000,
6.1306

235.1468,

 0.0935, 0.0000,

165.9742, 370.4036

2.8546

283.0381,
204.9320, 437.8185

■ 0.0000, 0.0000,
1.0209

■ 0.0000, 0.0000,
0.0000

■ 39.9442, 19.5656,
79.5131

■ 39.9442, 19.5656,
79.5131

■ 38.5949, 18.2873,
79.3378

■ 41.7520, 21.7261,
79.8352

■ 38.2567, 18.0065,
79.3014

■ 44.1027, 24.9401,
80.3316

■ 47.0640, 29.3417,
81.0251

■ 50.6926, 35.0446,
81.9347

■ 55.0389, 42.1490,
83.0769

■ 60.1482, 50.7453,
84.4668

■ 66.0619, 60.9162,
86.1183

■ 72.8185, 72.7384,
88.0441

■ 80.4539, 86.2836,
90.2562

Harmonies

Analogous

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



27.6335, 19.5656, 132.7429



39.9442, 19.5656, 79.5131



46.9440, 19.5656, 29.4930

Triad

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



39.9442, 19.5656, 79.5131



21.2710, 19.5656, 0.0000



5.4428, 19.5656, 52.7442

Complementary

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



39.9442, 19.5656, 79.5131



31.5824, 59.9320, 11.1324

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.



4.8385, 19.5656, 14.7907



39.9442, 19.5656, 79.5131



11.7819, 19.5656, 0.0000

Square

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



39.9442, 19.5656, 79.5131



33.8076, 19.5656, 0.2986



6.6489, 19.5656, 1.9261



8.8090, 19.5656, 109.4696

Rectangle

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



39.9442, 19.5656, 79.5131



46.3118, 19.5656, 10.8433



6.6489, 19.5656, 1.9261



4.9794, 19.5656, 36.9574

Sweetspot

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



39.9451, 19.5664, 79.5135



73.8132, 62.8853, 102.8554



17.2209, 9.8844, 78.8424



15.3057, 12.6214, 21.8794



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.



39.9451, 19.5664, 79.5135



46.4430, 21.8571, 96.3788



41.2796, 21.1748, 37.9896



15.4769, 15.1911, 19.0387



21.5843, 10.1630, 44.5670



1.7558, 0.8294, 3.5024

Inverse Universe

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



35.2388, 18.7585, 6.1795



41.6021, 21.4048, 3.8366



32.1636, 60.0040, 21.4437



15.1588, 15.0914, 16.1213



19.2716, 9.9113, 1.9656



1.5419, 0.7897, 0.3048

Previews

White Background



This preview shows how the XYZ color 39.9442, 19.5656, 79.5131 looks on a white background.

Color Contrast Check

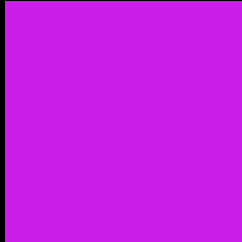
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.9442, 19.5656, 79.5131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

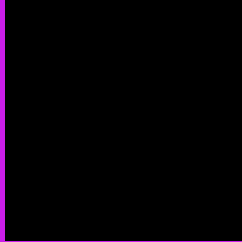
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.9442, 19.5656, 79.5131

Background



This preview shows how black text looks on a background with the XYZ color 39.9442, 19.5656, 79.5131.



This preview shows how white text looks on a background with the XYZ color 39.9442, 19.5656,

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

39.9442, 19.5656, 79.5131

Protanopia

24.0094, 20.1587, 93.8924

Deuteranopia

20.6940, 20.0471, 71.1854



Tritanopia

26.6909, 19.5631, 14.6812

Trichromacy



Original Color

39.9442, 19.5656, 79.5131



Protanomaly

22.7137, 14.8648, 88.0583



Deuteranomaly

21.3141, 14.8296, 73.6905



Tritanomaly

29.4163, 17.8829, 30.3351

Monochromacy



Original Color

39.9442, 19.5656, 79.5131



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

19.3764, 13.3785, 31.2668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9442, 19.5656, 79.5131 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(203, 30, 234)` looks like.

```
.text, #text, p{  
    color:rgb(203, 30, 234)  
}
```

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(203, 30, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 30, 234) }
```

Border

The CSS property to change the border of an element to XYZ 39.9442, 19.5656, 79.5131 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(203, 30, 234) }
```


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

```
.border{ border-color:rgb(203, 30, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 30, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 30, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 30, 234);  
box-shadow:4px 4px 4px 4px rgb(203, 30,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9442, 19.5656, 79.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 30, 234) }
```

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

```
.background{ background-color: rgb(203, 30,  
234) }
```

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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