

Converting Colors

XYZ(39.3751, 19.9709, 96.3872)

Have a look what the booklet for
XYZ(39.3751, 19.9709, 96.3872)
contains.

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Color

**XYZ(39.4835, 20.0268,
96.3923)**

Conversions

Conversions Part 1

Format	Color
Hex	BA33FF
RGB	186, 51, 255
RGB Percent	73%, 20%, 100%
CMY	0.2706, 0.8000, 0.0000
CMYK	0.27, 0.80, 0.00, 0.00
HSL	280°, 100%, 60%
HSV	280°, 80%, 100%
XYZ	39.4835, 20.0268, 96.3923
YIQ	114.6210, 14.9760, 92.0640

Conversions

Conversions Part 2

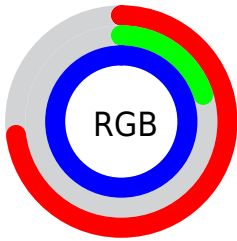
Format	Color
R _Y B	186, 51, 255
Decimal	12203007
CIE Lab	51.87, 80.54, -75.03
CIE LCh	52, 110.073, 317.031
Yxy	20.0268, 0.2533, 0.1285
Android (android.graphics.Color)	4290393087 (0xFFBA33FF)
YUV	114.6210, 69.2068, 62.5994
Hunter-Lab	44.7513, 79.1734, -96.3821

Details

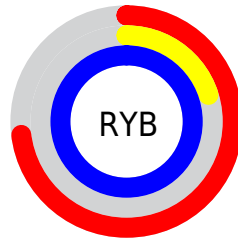
The XYZ color **39.4835, 20.0268, 96.3923** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **44.1035, 75.7522, 15.4296**, and the grayscale version is **15.9770, 16.8091, 18.3051**.

A 20% lighter version of the original color is **62.4251, 39.0288, 98.8509**, and **18.6822, 8.4668, 53.4729** is the 20% darker color. If you saturate the color by 10%, you get **36.6262, 17.3286, 96.0221**, and if you desaturate by 10%, it is **43.0789, 24.0112, 96.9719**.

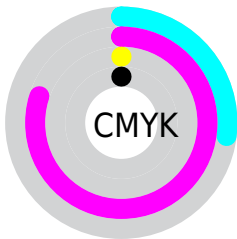
Distribution



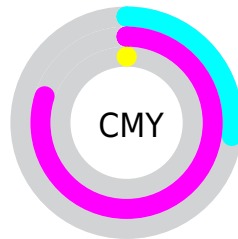
- Red (73%)
- Green (20%)
- Blue (100%)



- Red (73%)
- Yellow (20%)
- Blue (100%)



- Cyan (27%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4835, 20.0268, 96.3923 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 39.4835, 20.0268, 96.3923 by changing the saturation by 10% instead.


 39.4835, 20.0268,
96.3923


 39.4835, 20.0268,
96.3923


335.1136,
252.0602, 569.7105


 27.3185, 12.4145,
72.6911


 73.6657, 43.4621,
158.1988

 17.9504, 7.0266,
53.2331

 96.4136, 60.0539,
197.1412


 11.0138, 3.4788,
37.5999


 123.4199, 80.4077,
242.0009

 6.1435, 1.3865,
25.3729

 155.0498,
104.9079, 293.1967

 2.9740, 0.2067,
16.1335

 191.6688,
133.9388, 351.1470

 1.1400, 0.0000,
9.4633

233.6422,

 0.0582, 0.0000,

167.8849, 416.2704

4.9437

281.3354,
207.1306, 488.9854

■ 0.0000, 0.0000,
2.1561

■ 0.0000, 0.0000,
0.6489

■ 39.4835, 20.0268,
96.3923

■ 39.4835, 20.0268,
96.3923

■ 36.6262, 17.3286,
96.0221

■ 43.0789, 24.0112,
96.9719

■ 34.3594, 15.6279,
95.8133

■ 47.4992, 29.4556,
97.7897

■ 34.3590, 15.6276,
95.8132

■ 52.8207, 36.5081,
98.8706

■ 59.1094, 45.2980,
100.2357

■ 66.4245, 55.9407,
101.9044

■ 74.8205, 68.5419,
103.8942

■ 84.3473, 83.1991,
106.2212

■ 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.



26.0471, 20.0268, 149.4337



39.4835, 20.0268, 96.3923



48.5901, 20.0268, 38.7377

Triad

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



39.4835, 20.0268, 96.3923



24.2760, 20.0268, 0.0000



4.9951, 20.0268, 45.2506

Complementary

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



39.4835, 20.0268, 96.3923



44.1035, 75.7522, 15.4296

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.



4.8353, 20.0268, 10.7054



39.4835, 20.0268, 96.3923



13.4097, 20.0268, 0.0000

Square

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



39.4835, 20.0268, 96.3923



37.7580, 20.0268, 0.6211



7.2439, 20.0268, 1.0074



7.8242, 20.0268, 104.9388

Rectangle

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



39.4835, 20.0268, 96.3923



49.3158, 20.0268, 15.1076



7.2439, 20.0268, 1.0074



4.6819, 20.0268, 30.2384

Sweetspot

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



39.4844, 20.0275, 96.3924



71.3277, 63.2579, 103.0584



26.4245, 21.9421, 97.4503



14.6335, 12.5910, 21.9090



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.



39.4844, 20.0275, 96.3924



35.2183, 16.2349, 95.8852



55.9330, 29.0316, 73.4619



18.1609, 17.9747, 22.7622



18.1191, 8.2512, 50.0722



1.8809, 0.8635, 4.8808

Inverse Universe

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



45.8142, 24.9841, 20.1774



43.3264, 22.2717, 12.3708



38.6334, 72.8271, 19.9246



18.2628, 18.0884, 20.0013



22.4939, 11.4868, 5.9851



2.2388, 1.1379, 0.8387

Previews

White Background



This preview shows how the XYZ color 39.4835, 20.0268, 96.3923 looks on a white background.

Color Contrast Check

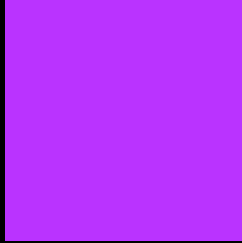
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.4835, 20.0268, 96.3923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

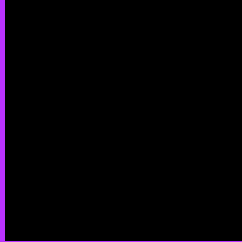
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.4835, 20.0268, 96.3923

Background



This preview shows how black text looks on a background with the XYZ color 39.4835, 20.0268, 96.3923.



This preview shows how white text looks on a background with the XYZ color 39.4835, 20.0268,

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

39.4835, 20.0268, 96.3923

Protanopia

24.1675, 20.2219, 94.7249

Deuteranopia

20.3791, 20.0890, 70.5136



Tritanopia

23.6192, 19.7726, 19.0946

Trichromacy



Original Color

39.4835, 20.0268, 96.3923



Protanomaly

24.1162, 16.3262, 94.8087



Deuteranomaly

21.5537, 16.0358, 79.0500



Tritanomaly

27.1778, 18.2643, 38.6522

Monochromacy



Original Color

39.4835, 20.0268, 96.3923



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

21.6946, 16.0702, 38.0348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4835, 20.0268, 96.3923 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(186, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 51, 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(186, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.4835, 20.0268, 96.3923 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(186, 51, 255) }
```


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

```
.border{ border-color:rgb(186, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4835, 20.0268, 96.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 51, 255) }
```

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

```
.background{ background-color: rgb(186, 51,  
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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