

Converting Colors

XYZ(39.5962, 22.0951, 88.5676)

Have a look what the booklet for
XYZ(39.5962, 22.0951, 88.5676)
contains.

XYZ(39.6692, 22.1815, 88.5769)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.6692, 22.1815,
88.5769)**

Conversions

Conversions Part 1

Format	Color
Hex	BC4AF5
RGB	188, 74, 245
RGB Percent	74%, 29%, 96%
CMY	0.2627, 0.7098, 0.0392
CMYK	0.23, 0.70, 0.00, 0.04
HSL	280°, 90%, 63%
HSV	280°, 70%, 96%
XYZ	39.6692, 22.1815, 88.5769
YIQ	127.5800, 13.0530, 77.3490

Conversions

Conversions Part 2

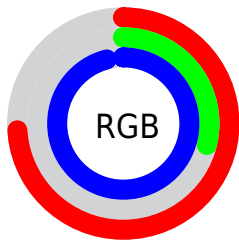
Format	Color
R _Y B	188, 74, 245
Decimal	12339957
CIE Lab	54.22, 70.99, -65.64
CIE LCh	54, 96.683, 317.245
Yxy	22.1815, 0.2637, 0.1475
Android (android.graphics.Color)	4290530037 (0xFFBC4AF5)
YUV	127.5800, 57.8881, 52.9883
Hunter-Lab	47.0972, 67.9273, -78.5400

Details

The XYZ color **39.6692, 22.1815, 88.5769** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light washed purple. A complement of this color would be **43.2491, 70.6250, 17.8318**, and the grayscale version is **20.1770, 21.2278, 23.1170**.

A 20% lighter version of the original color is **64.8777, 43.4091, 99.5671**, and **18.1304, 8.2980, 48.2230** is the 20% darker color. If you saturate the color by 10%, you get **36.3852, 18.5152, 88.0427**, and if you desaturate by 10%, it is **43.7054, 27.1810, 89.3296**.

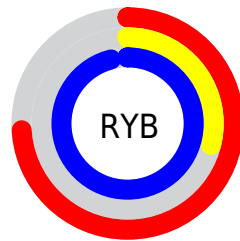
Distribution



Red (74%)

Green (29%)

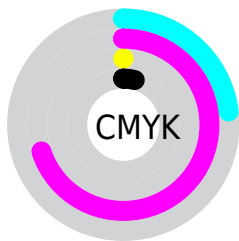
Blue (96%)



Red (74%)

Yellow (29%)

Blue (96%)

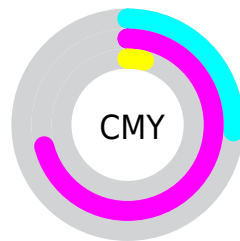


Cyan (23%)

Magenta (70%)

Yellow (0%)

Black (4%)



Cyan (26%)

Magenta (71%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6692, 22.1815, 88.5769 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 39.6692, 22.1815, 88.5769 by changing the saturation by 10% instead.


 39.6692, 22.1815,
88.5769


 39.6692, 22.1815,
88.5769


335.8857,
263.4926, 543.8408


 27.4638, 13.9903,
66.2339


 73.9471, 47.0458,
147.2783


 18.0602, 8.1139,
48.0046

 96.7502, 64.4877,
184.4737


 11.0932, 4.1679,
33.4705


 123.8167, 85.7820,
227.4570

 6.1973, 1.7679,
22.2131

 155.5118,
111.3130, 276.6467

 3.0072, 0.4671,
13.8137

 192.2009,
141.4652, 332.4614

 1.1576, 0.0000,
7.8540

234.2493,

 0.0725, 0.0000,

176.6229, 395.3197

3.9152

282.0225,
217.1706, 465.6399

■ 0.0000, 0.0000,
1.5789

■ 0.0000, 0.0000,
0.2757

■ 39.6692, 22.1815,
88.5769

■ 39.6692, 22.1815,
88.5769

■ 36.3852, 18.5152,
88.0427

■ 43.7054, 27.1810,
89.3296

■ 33.7700, 16.0213,
87.6992


■ 48.5589, 33.6443,
90.3213


■ 31.6944, 14.4433,
87.5040


■ 54.2902, 41.6889,
91.5720


■ 31.6545, 14.4146,
87.5006


■ 60.9528, 51.4194,
93.0990

 68.5959, 62.9311,
94.9182

 77.2647, 76.3125,
97.0441

 87.0016, 91.6456,
99.4905

 92.8716, 99.0582,
100.6119

 93.4815, 99.3726,
100.6405

Harmonies

Analogous

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



27.6574, 22.1815, 132.2754



39.6692, 22.1815, 88.5769



47.5648, 22.1815, 39.3122

Triad

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



39.6692, 22.1815, 88.5769



25.8656, 22.1815, 0.0000



7.0752, 22.1815, 45.6866

Complementary

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



39.6692, 22.1815, 88.5769



43.2491, 70.6250, 17.8318

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.



6.8793, 22.1815, 13.4967



39.6692, 22.1815, 88.5769



15.6427, 22.1815, 0.0800

Square

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



39.6692, 22.1815, 88.5769



37.9880, 22.1815, 1.7092



9.4555, 22.1815, 2.3182



10.1264, 22.1815, 96.4195

Rectangle

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



39.6692, 22.1815, 88.5769



48.1474, 22.1815, 17.5653



9.4555, 22.1815, 2.3182



6.7206, 22.1815, 32.2081

Sweetspot

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



39.6702, 22.1824, 88.5774



74.0170, 67.2338, 103.6840



27.4225, 24.2819, 89.6282



15.3315, 13.6161, 22.0701



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.



39.6702, 22.1824, 88.5774



38.5078, 18.9332, 96.2326



52.5650, 29.2945, 68.1898



16.6457, 16.4755, 20.8453



17.2057, 7.8442, 47.1453



1.6209, 0.7454, 4.1487

Inverse Universe

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



44.2023, 25.9494, 24.1524



44.9618, 24.0064, 17.6513



37.9002, 67.7305, 23.7774



16.7270, 16.5736, 18.3087



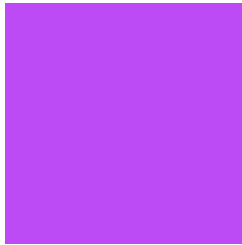
21.1570, 10.8062, 5.5352



1.9052, 0.9681, 0.7274

Previews

White Background



This preview shows how the XYZ color 39.6692, 22.1815, 88.5769 looks on a white background.

Color Contrast Check

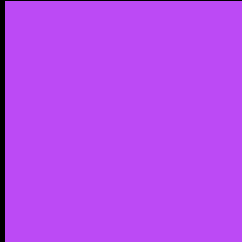
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6692, 22.1815, 88.5769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

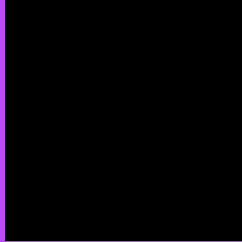
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.6692, 22.1815, 88.5769

Background



This preview shows how black text looks on a background with the XYZ color 39.6692, 22.1815, 88.5769.



This preview shows how white text looks on a background with the XYZ color 39.6692, 22.1815,

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

39.6692, 22.1815, 88.5769

Protanopia

26.6376, 22.7226, 97.5897

Deuteranopia

23.2027, 22.4947, 80.9609



Tritanopia

26.0681, 22.1265, 21.6358

Trichromacy



Original Color

39.6692, 22.1815, 88.5769



Protanomaly

27.7073, 20.0771, 93.6817



Deuteranomaly

23.8647, 18.9584, 83.2904



Tritanomaly

29.4367, 21.1345, 39.0871

Monochromacy



Original Color

39.6692, 22.1815, 88.5769



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

25.2909, 20.1494, 41.0843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6692, 22.1815, 88.5769 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(188, 74, 245)` looks like.

```
.text, #text, p{  
    color:rgb(188, 74, 245)  
}
```

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(188, 74, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 74, 245) }
```

Border

The CSS property to change the border of an element to XYZ 39.6692, 22.1815, 88.5769 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(188, 74, 245) }
```


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

```
.border{ border-color:rgb(188, 74, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 74, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 74, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 74, 245);  
box-shadow:4px 4px 4px 4px rgb(188, 74,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6692, 22.1815, 88.5769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 74, 245) }
```

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

```
.background{ background-color: rgb(188, 74,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor