

Converting Colors

XYZ(39.9887, 22.6364, 96.8694)

Have a look what the booklet for
XYZ(39.9887, 22.6364, 96.8694)
contains.

XYZ(39.9020, 22.6357, 96.8738)	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(39.9020, 22.6357,
96.8738)**

Conversions

Conversions Part 1

Format	Color
Hex	B54FFF
RGB	181, 79, 255
RGB Percent	71%, 31%, 100%
CMY	0.2902, 0.6902, 0.0000
CMYK	0.29, 0.69, 0.00, 0.00
HSL	275°, 100%, 65%
HSV	275°, 69%, 100%
XYZ	39.9020, 22.6357, 96.8738
YIQ	129.5620, 4.2960, 76.3600

Conversions

Conversions Part 2

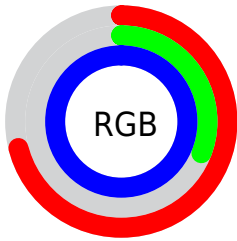
Format	Color
RYB	181, 79, 255
Decimal	11882495
CIELab	54.70, 69.67, -70.47
CIELCh	55, 99.095, 314.672
Yxy	22.6357, 0.2503, 0.1420
Android (android.graphics.Color)	4290072575 (0xFFB54FFF)
YUV	129.5620, 61.8409, 45.1111
Hunter-Lab	47.5770, 66.4451, -87.4193

Details

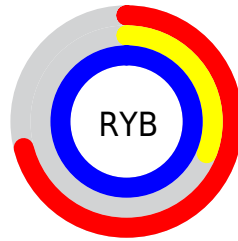
The XYZ color **39.9020, 22.6357, 96.8738** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light washed purple. A complement of this color would be **50.3081, 78.8568, 19.9670**, and the grayscale version is **20.8528, 21.9388, 23.8914**.

A 20% lighter version of the original color is **62.9896, 43.2487, 99.6357**, and **18.1909, 8.3425, 53.4748** is the 20% darker color. If you saturate the color by 10%, you get **35.9847, 18.3898, 96.2607**, and if you desaturate by 10%, it is **44.7196, 28.3927, 97.7311**.

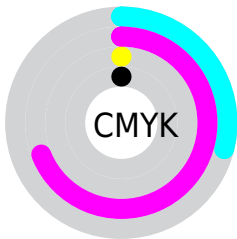
Distribution



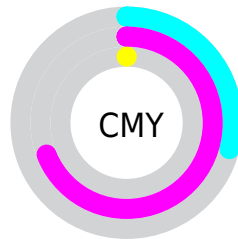
- Red (71%)
- Green (31%)
- Blue (100%)



- Red (71%)
- Yellow (31%)
- Blue (100%)



- Cyan (29%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9020, 22.6357, 96.8738 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 39.9020, 22.6357, 96.8738 by changing the saturation by 10% instead.


 39.9020, 22.6357,
96.8738


 39.9020, 22.6357,
96.8738


336.8519,
265.8483, 571.2834


 27.6460, 14.3247,
73.0900

 74.2995, 47.7945,
158.8686

 18.1981, 8.3469,
53.5573


 97.1718, 65.4110,
197.9167

 11.1928, 4.3177,
37.8571


 124.3136, 86.8983,
242.8900

 6.2649, 1.8528,
25.5708

 156.0901,
112.6406, 294.2070

 3.0490, 0.5198,
16.2800

 192.8669,
143.0224, 352.2863

 1.1797, 0.0000,
9.5660

235.0092,

 0.0903, 0.0000,

178.4280, 417.5465

5.0103

282.8824,
219.2418, 490.4060

■ 0.0000, 0.0000,
2.1945

■ 0.0000, 0.0000,
0.6712

■ 39.9020, 22.6357,
96.8738

■ 39.9020, 22.6357,
96.8738

■ 35.9847, 18.3898,
96.2607

■ 44.7196, 28.3927,
97.7311

■ 32.8748, 15.4790,
95.8628

■ 50.5109, 35.8048,
98.8565

■ 30.4423, 13.6488,
95.6377

■ 57.3442, 45.0015,
100.2715

■ 30.2243, 13.4961,
95.6197

■ 65.2803, 56.0983,
101.9951

■ 74.3747, 69.2008,
104.0449

■ 84.6791, 84.4067,
106.4368

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.



27.2807, 22.6357, 140.5249



39.9020, 22.6357, 96.8738



48.7699, 22.6357, 44.1968

Triad

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



39.9020, 22.6357, 96.8738



27.5537, 22.6357, 0.0000



6.9275, 22.6357, 43.2221

Complementary

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



39.9020, 22.6357, 96.8738



50.3081, 78.8568, 19.9670

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.



6.9568, 22.6357, 11.9263



39.9020, 22.6357, 96.8738



16.6242, 22.6357, 0.0000

Square

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



39.9020, 22.6357, 96.8738



40.1592, 22.6357, 1.9381



9.8747, 22.6357, 1.8501



9.7738, 22.6357, 95.6659

Rectangle

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



39.9020, 22.6357, 96.8738



49.9474, 22.6357, 20.0675



9.8747, 22.6357, 1.8501



6.6427, 22.6357, 29.8738

Sweetspot

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



39.9030, 22.6365, 96.8739



72.4782, 66.4405, 103.6120



33.0407, 32.4144, 99.1229



14.9644, 13.4269, 22.0529



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.



39.9030, 22.6365, 96.8739



34.6554, 17.0818, 96.0783



60.2542, 33.3395, 88.2649



18.0115, 17.8977, 22.7552



15.9670, 7.1418, 49.9715



1.6794, 0.7597, 4.8714

Inverse Universe

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



49.7859, 29.1522, 33.1396



46.3046, 24.6885, 24.2756



40.8616, 73.9332, 21.9548



18.3262, 18.1138, 20.3349



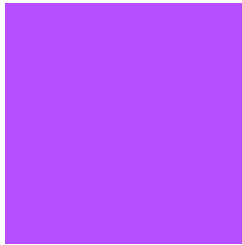
23.0119, 11.6941, 8.7133



2.2937, 1.1598, 1.1280

Previews

White Background



This preview shows how the XYZ color 39.9020, 22.6357, 96.8738 looks on a white background.

Color Contrast Check

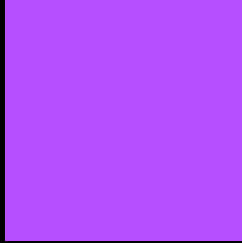
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.9020, 22.6357, 96.8738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

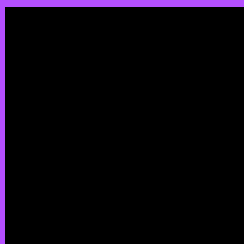
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.9020, 22.6357, 96.8738

Background



This preview shows how black text looks on a background with the XYZ color 39.9020, 22.6357, 96.8738.

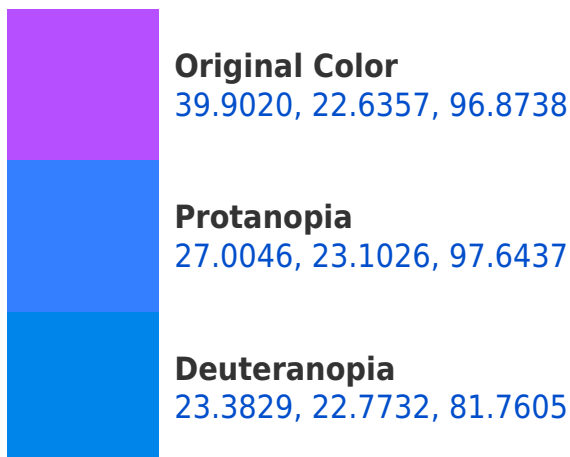


This preview shows how white text looks on a background with the XYZ color 39.9020, 22.6357,

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





Tritanopia

24.9770, 22.3888, 23.7739

Trichromacy



Original Color

39.9020, 22.6357, 96.8738



Protanomaly

28.6629, 20.9685, 97.1444



Deuteranomaly

24.1789, 19.3793, 86.4706



Tritanomaly

28.7258, 21.4138, 43.1767

Monochromacy



Original Color

39.9020, 22.6357, 96.8738



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

25.8167, 20.8536, 43.2219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9020, 22.6357, 96.8738 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(181, 79, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 79, 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(181, 79, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 79, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.9020, 22.6357, 96.8738 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(181, 79, 255) }
```


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

```
.border{ border-color:rgb(181, 79, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 79, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 79, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 79, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 79,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9020, 22.6357, 96.8738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 79, 255) }
```

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

```
.background{ background-color: rgb(181, 79,  
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](#).

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