

Converting Colors

XYZ(38.9178, 18.9784, 96.2197)

Have a look what the booklet for
XYZ(38.9178, 18.9784, 96.2197)
contains.

XYZ(38.9613, 18.9822, 96.2182)	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>	30

Color

**XYZ(38.9613, 18.9822,
96.2182)**

Conversions

Conversions Part 1

Format	Color
Hex	BA25FF
RGB	186, 37, 255
RGB Percent	73%, 15%, 100%
CMY	0.2706, 0.8549, 0.0000
CMYK	0.27, 0.85, 0.00, 0.00
HSL	281°, 100%, 57%
HSV	281°, 85%, 100%
XYZ	38.9613, 18.9822, 96.2182
YIQ	106.4030, 18.8260, 99.3860

Conversions

Conversions Part 2

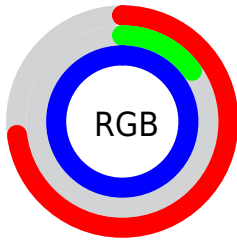
Format	Color
R _Y B	186, 37, 255
Decimal	12199423
CIE Lab	50.67, 84.07, -76.98
CIE LCh	51, 113.989, 317.519
Yxy	18.9822, 0.2527, 0.1231
Android (android.graphics.Color)	4290389503 (0xFFBA25FF)
YUV	106.4030, 73.2583, 69.8066
Hunter-Lab	43.5686, 83.3791, -100.4399

Details

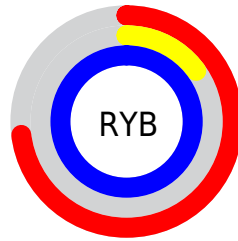
The XYZ color **38.9613, 18.9822, 96.2182** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed purple. A complement of this color would be **42.0377, 74.7177, 13.9568**, and the grayscale version is **13.6126, 14.3216, 15.5962**.

A 20% lighter version of the original color is **61.4593, 37.0973, 98.5290**, and **18.5355, 8.3912, 53.4661** is the 20% darker color. If you saturate the color by 10%, you get **36.5202, 16.9281, 95.9504**, and if you desaturate by 10%, it is **42.0673, 22.1994, 96.6755**.

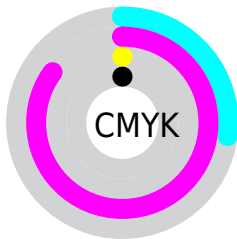
Distribution



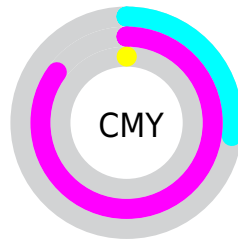
- Red (73%)
- Green (15%)
- Blue (100%)



- Red (73%)
- Yellow (15%)
- Blue (100%)



- Cyan (27%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9613, 18.9822, 96.2182 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 38.9613, 18.9822, 96.2182 by changing the saturation by 10% instead.


 38.9613, 18.9822,
96.2182


 38.9613, 18.9822,
96.2182

332.9359,
246.3505, 569.1413


 26.9102, 11.6574,
72.5468


 72.8736, 41.7040,
157.9566

 17.6420, 6.5109,
53.1159


 95.4656, 57.8698,
196.8606


 10.7914, 3.1581,
37.5070


 122.3019, 77.7515,
241.6793

 5.9930, 1.2148,
25.3014

 153.7479,
101.7333, 292.8312

 2.8815, 0.0738,
16.0807

 190.1689,
130.1997, 350.7348

 1.0914, 0.0000,
9.4263

231.9304,

 0.0179, 0.0000,

163.5351, 415.8086

4.9197

279.3976,
202.1239, 488.4713

■ 0.0000, 0.0000,
2.1423

■ 0.0000, 0.0000,
0.6408

■ 38.9613, 18.9822,
96.2182

■ 38.9613, 18.9822,
96.2182

■ 36.5202, 16.9281,
95.9504

■ 42.0673, 22.1994,
96.6755

■ 35.5707, 16.2523,
95.8700

■ 45.9364, 26.7767,
97.3550

■ 50.6512, 32.8761,
98.2839

■ 56.2823, 40.6357,
99.4848

62.8919, 50.1778,
100.9783

70.5365, 61.6131,
102.7826

79.2682, 75.0430,
104.9146

89.1350, 90.5617,
107.3900

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.



25.3078, 18.9822, 152.2447



38.9613, 18.9822, 96.2182



48.1732, 18.9822, 37.0090

Triad

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



38.9613, 18.9822, 96.2182



23.0913, 18.9822, 0.0000



4.3357, 18.9822, 45.2546

Complementary

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



38.9613, 18.9822, 96.2182



42.0377, 74.7177, 13.9568

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.



4.1496, 18.9822, 10.0240



38.9613, 18.9822, 96.2182



12.3198, 18.9822, 0.0000

Square

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



38.9613, 18.9822, 96.2182



36.7738, 18.9822, 0.2299



6.3879, 18.9822, 0.7253



7.0795, 18.9822, 107.2734

Rectangle

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



38.9613, 18.9822, 96.2182



48.7971, 18.9822, 13.6208



6.3879, 18.9822, 0.7253



4.0296, 18.9822, 29.8045

Sweetspot

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



38.9622, 18.9829, 96.2183



70.1200, 60.9814, 102.6826



23.9707, 17.9287, 96.8049



14.4201, 12.1649, 21.8380



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.



38.9622, 18.9829, 96.2183



35.5707, 16.2523, 95.8700



54.1717, 27.4913, 66.7640



18.2007, 17.9952, 22.7641



18.7481, 8.5755, 50.1017



1.9388, 0.8934, 4.8835

Inverse Universe

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



44.5031, 23.6239, 15.8498



42.7143, 21.8497, 9.6934



37.8615, 72.4487, 19.0039



18.2462, 18.0818, 19.9137



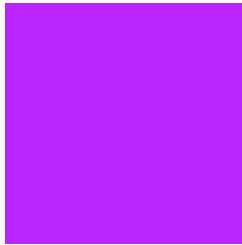
22.3785, 11.4407, 5.3777



2.2260, 1.1328, 0.7714

Previews

White Background



This preview shows how the XYZ color 38.9613, 18.9822, 96.2182 looks on a white background.

Color Contrast Check

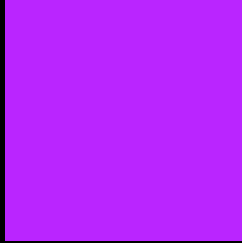
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9613, 18.9822, 96.2182 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 38.9613, 18.9822, 96.2182

Background



This preview shows how black text looks on a background with the XYZ color 38.9613, 18.9822, 96.2182.

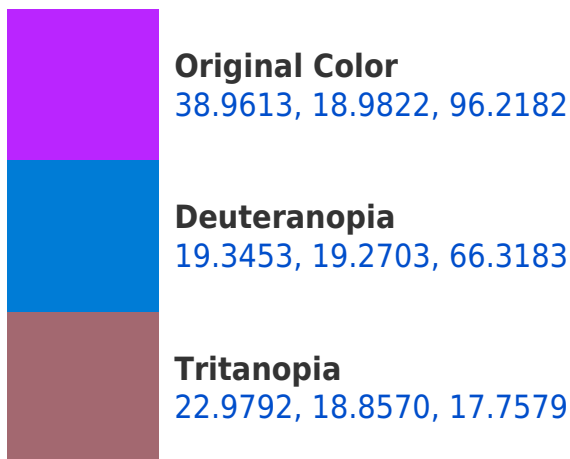


This preview shows how white text looks on a background with the XYZ color 38.9613, 18.9822,

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



Trichromacy



Original Color

38.9613, 18.9822, 96.2182



Deuteranomaly

20.3539, 14.5404, 75.8625



Tritanomaly

26.3641, 17.0756, 37.0283

Monochromacy



Original Color

38.9613, 18.9822, 96.2182



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

19.2793, 13.5738, 34.8616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9613, 18.9822, 96.2182 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, 37, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 37, 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, 37, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 37, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.9613, 18.9822, 96.2182 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, 37, 255) }
```

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

```
.border{ border-color:rgb(186, 37, 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, 37, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 37, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 37, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 37,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 38.9613, 18.9822, 96.2182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 37, 255) }
```

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

```
.background{ background-color: rgb(186, 37,  
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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