

Converting Colors

XYZ(38.7717, 18.3559, 96.1073)

Have a look what the booklet for
XYZ(38.7717, 18.3559, 96.1073)
contains.

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Color

**XYZ(38.8499, 18.3976,
96.1112)**

Conversions

Conversions Part 1

Format	Color
Hex	BB17FF
RGB	187, 23, 255
RGB Percent	73%, 9%, 100%
CMY	0.2667, 0.9098, 0.0000
CMYK	0.27, 0.91, 0.00, 0.00
HSL	282°, 100%, 55%
HSV	282°, 91%, 100%
XYZ	38.8499, 18.3976, 96.1112
YIQ	98.4840, 23.2720, 106.9200

Conversions

Conversions Part 2

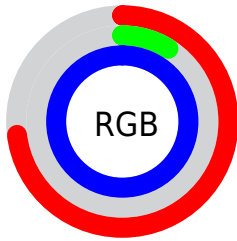
Format	Color
RYB	187, 23, 255
Decimal	12261375
CIELab	49.97, 86.69, -78.10
CIELCh	50, 116.687, 317.984
Yxy	18.3976, 0.2533, 0.1200
Android (android.graphics.Color)	4290451455 (0xFFBB17FF)
YUV	98.4840, 77.1624, 77.6285
Hunter-Lab	42.8924, 86.6150, -102.8294

Details

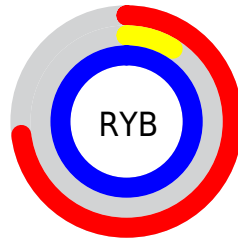
The XYZ color **38.8499, 18.3976, 96.1112** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed purple. A complement of this color would be **40.2294, 73.8062, 12.9367**, and the grayscale version is **11.5409, 12.1420, 13.2226**.

A 20% lighter version of the original color is **61.5788, 36.2834, 98.3656**, and **18.6822, 8.4668, 53.4729** is the 20% darker color. If you saturate the color by 10%, you get **36.9330, 16.9545, 95.9337**, and if you desaturate by 10%, it is **41.4986, 20.9081, 96.4562**.

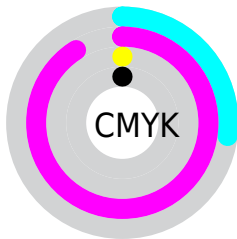
Distribution



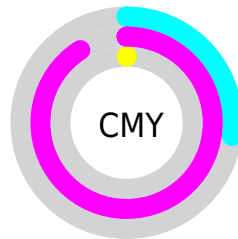
- Red (73%)
- Green (9%)
- Blue (100%)



- Red (73%)
- Yellow (9%)
- Blue (100%)



- Cyan (27%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (91%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8499, 18.3976, 96.1112 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 38.8499, 18.3976, 96.1112 by changing the saturation by 10% instead.


 38.8499, 18.3976,
96.1112


 38.8499, 18.3976,
96.1112

332.4701,
243.1027, 568.7912


 26.8232, 11.2358,
72.4582


 72.7045, 40.7137,
157.8076


 17.5764, 6.2257,
53.0439


 95.2631, 56.6367,
196.6881

 10.7441, 2.9828,
37.4499


 122.0630, 76.2490,
241.4816

 5.9611, 1.1228,
25.2575

 153.4696, 99.9350,
292.6064

 2.8619, 0.0000,
16.0482

 189.8483,
128.0789, 350.4813

 1.0811, 0.0000,
9.4036

 231.5643,

 0.0092, 0.0000,

161.0652, 415.5247

4.9049

278.9831,
199.2783, 488.1552

■ 0.0000, 0.0000,
2.1338

■ 0.0000, 0.0000,
0.6358

■ 38.8499, 18.3976,
96.1112

■ 38.8499, 18.3976,
96.1112

■ 36.9330, 16.9545,
95.9337

■ 41.4986, 20.9081,
96.4562

■ 44.8431, 24.6681,
97.0057

■ 48.9749, 29.8573,
97.7895

■ 53.9697, 36.6251,
98.8326

■ 59.8936, 45.1016,
100.1565

■ 66.8057, 55.4034,
101.7806

■ 74.7600, 67.6364,
103.7226

■ 83.8064, 81.8986,
105.9987

■ 93.9912, 98.2809,
108.6240

Harmonies

Analogous

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



25.0100, 18.3976, 154.4854



38.8499, 18.3976, 96.1112



48.1205, 18.3976, 35.8017

Triad

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



38.8499, 18.3976, 96.1112



22.3613, 18.3976, 0.0000



3.9636, 18.3976, 45.7308

Complementary

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



38.8499, 18.3976, 96.1112



40.2294, 73.8062, 12.9367

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.



3.7518, 18.3976, 9.7436



38.8499, 18.3976, 96.1112



11.6467, 18.3976, 0.0000

Square

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



38.8499, 18.3976, 96.1112



36.2135, 18.3976, 0.0000



5.8738, 18.3976, 0.5635



6.6734, 18.3976, 109.6093

Rectangle

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



38.8499, 18.3976, 96.1112



48.6387, 18.3976, 12.6312



5.8738, 18.3976, 0.5635



3.6584, 18.3976, 29.8727

Sweetspot

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



38.8508, 18.3982, 96.1113



69.8421, 60.0326, 102.5141



22.2832, 15.1617, 96.3598



14.3891, 11.9950, 21.8068



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.



38.8508, 18.3982, 96.1113



36.9330, 16.9545, 95.9337



53.0058, 26.4568, 62.3760



18.2437, 18.0174, 22.7661



19.4546, 8.9397, 50.1347



2.0034, 0.9267, 4.8866

Inverse Universe

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



43.4350, 22.6284, 11.9767



42.5011, 21.7644, 8.5709



37.2003, 72.1370, 17.6595



18.2284, 18.0747, 19.8197



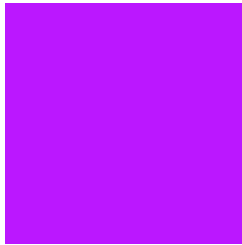
22.2639, 11.3949, 4.7744



2.2130, 1.1276, 0.7031

Previews

White Background



This preview shows how the XYZ color 38.8499, 18.3976, 96.1112 looks on a white background.

Color Contrast Check

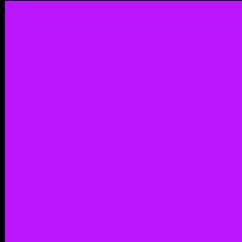
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8499, 18.3976, 96.1112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

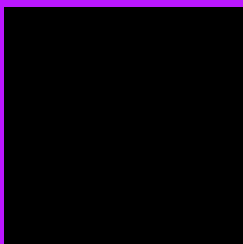
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.8499, 18.3976, 96.1112

Background



This preview shows how black text looks on a background with the XYZ color 38.8499, 18.3976, 96.1112.



This preview shows how white text looks on a background with the XYZ color 38.8499, 18.3976,

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

38.8499, 18.3976, 96.1112

Protanopia

22.3084, 18.7325, 87.2340

Deuteranopia

18.7174, 18.6222, 64.2360



Tritanopia

22.7238, 18.3040, 16.8033

Trichromacy



Original Color

38.8499, 18.3976, 96.1112



Protanomaly

22.1897, 13.9789, 89.5244



Deuteranomaly

19.5768, 13.4306, 74.2336



Tritanomaly

25.9174, 16.1444, 35.9326

Monochromacy



Original Color

38.8499, 18.3976, 96.1112



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

17.3756, 11.6189, 32.3372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8499, 18.3976, 96.1112 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(187, 23, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 23, 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(187, 23, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 23, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.8499, 18.3976, 96.1112 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(187, 23, 255) }
```


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

```
.border{ border-color:rgb(187, 23, 255) }
```

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

Here you see how a box with a 4 pixel rgb(187, 23, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 23, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 23, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 23,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8499, 18.3976, 96.1112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 23, 255) }
```

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

```
.background{ background-color: rgb(187, 23,  
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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