

Converting Colors

XYZ(38.3952, 18.1423, 96.0859)

Have a look what the booklet for
XYZ(38.3952, 18.1423, 96.0859)
contains.

XYZ(38.3445, 18.1081, 96.0820)	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(38.3445, 18.1081,
96.0820)**

Conversions

Conversions Part 1

Format	Color
Hex	B916FF
RGB	185, 22, 255
RGB Percent	73%, 9%, 100%
CMY	0.2745, 0.9137, 0.0000
CMYK	0.27, 0.91, 0.00, 0.00
HSL	282°, 100%, 54%
HSV	282°, 91%, 100%
XYZ	38.3445, 18.1081, 96.0820
YIQ	97.2990, 22.3550, 107.0190

Conversions

Conversions Part 2

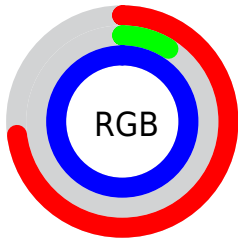
Format	Color
R _Y B	185, 22, 255
Decimal	12130047
CIE _{Lab}	49.63, 86.58, -78.68
CIE _{LCh}	50, 116.990, 317.735
Y _{xy}	18.1081, 0.2514, 0.1187
Android (android.graphics.Color)	4290320127 (0xFFB916FF)
Y _{UV}	97.2990, 77.7466, 76.9138
Hunter-Lab	42.5536, 86.3752, -104.0836

Details

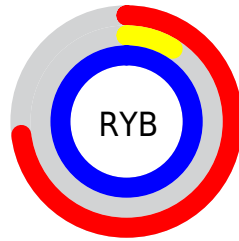
The XYZ color **38.3445, 18.1081, 96.0820** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed purple. A complement of this color would be **40.3187, 73.8533, 12.8894**, and the grayscale version is **11.2480, 11.8338, 12.8870**.

A 20% lighter version of the original color is **60.7755, 35.7295, 98.3010**, and **18.3902, 8.3163, 53.4593** is the 20% darker color. If you saturate the color by 10%, you get **36.5003, 16.7315, 95.9135**, and if you desaturate by 10%, it is **40.9936, 20.5870, 96.4208**.

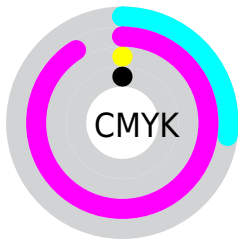
Distribution



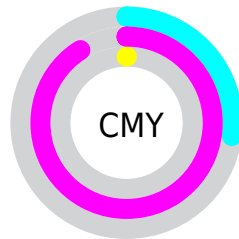
- Red (73%)
- Green (9%)
- Blue (100%)



- 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 38.3445, 18.1081, 96.0820 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 38.3445, 18.1081, 96.0820 by changing the saturation by 10% instead.


 38.3445, 18.1081,
96.0820


 38.3445, 18.1081,
96.0820


330.3508,
241.4796, 568.6957

 26.4286, 11.0276,
72.4340


 71.9364, 40.2214,
157.7670


 17.2789, 6.0854,
53.0243


 94.3430, 56.0231,
196.6411

 10.5301, 2.8971,
37.4343


 120.9773, 75.5006,
241.4276

 5.8168, 1.0782,
25.2455

 152.2046, 99.0383,
292.5451

 2.7736, 0.0000,
16.0394

 188.3903,
127.0207, 350.4121

 1.0352, 0.0000,
9.3974

 229.8996,

 0.0000, 0.0000,

159.8321, 415.4472

4.9009

277.0980,
197.8570, 488.0689

■ 0.0000, 0.0000,
2.1315

■ 0.0000, 0.0000,
0.6344

■ 38.3445, 18.1081,
96.0820

■ 38.3445, 18.1081,
96.0820

■ 36.5003, 16.7315,
95.9135

■ 40.9936, 20.5870,
96.4208

■ 44.3391, 24.3099,
96.9631

■ 48.4735, 29.4580,
97.7389

■ 53.4728, 36.1817,
98.7732

■ 59.4037, 44.6119,
100.0878

■ 66.3256, 54.8655,
101.7021

■ 74.2928, 67.0490,
103.6338

■ 83.3553, 81.2607,
105.8993

■ 93.5599, 97.5918,
108.5137

Harmonies

Analogous

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



24.5699, 18.1081, 154.1649



38.3445, 18.1081, 96.0820



47.6473, 18.1081, 35.7714

Triad

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



38.3445, 18.1081, 96.0820



22.1579, 18.1081, 0.0000



3.8318, 18.1081, 44.8291

Complementary

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



38.3445, 18.1081, 96.0820



40.3187, 73.8533, 12.8894

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.



3.6413, 18.1081, 9.3693



38.3445, 18.1081, 96.0820



11.4915, 18.1081, 0.0000

Square

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



38.3445, 18.1081, 96.0820



35.9388, 18.1081, 0.0000



5.7514, 18.1081, 0.4810



6.4735, 18.1081, 108.4382

Rectangle

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



38.3445, 18.1081, 96.0820



48.2276, 18.1081, 12.5779



5.7514, 18.1081, 0.4810



3.5382, 18.1081, 29.1462

Sweetspot

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



38.3454, 18.1087, 96.0820



69.6760, 59.9470, 102.5063



22.5444, 15.7175, 96.4533



14.3496, 11.9746, 21.8050



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.



38.3454, 18.1087, 96.0820



36.5003, 16.7315, 95.9135



53.4466, 26.6018, 64.7932



18.2302, 18.0104, 22.7655



19.2303, 8.8241, 50.1242



1.9829, 0.9161, 4.8856

Inverse Universe

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



43.4589, 22.6068, 12.1986



42.5657, 21.7903, 8.9112



37.0371, 72.0691, 16.9174



18.2339, 18.0769, 19.8491



22.2987, 11.4088, 4.9576



2.2170, 1.1292, 0.7240

Previews

White Background



This preview shows how the XYZ color 38.3445, 18.1081, 96.0820 looks on a white background.

Color Contrast Check

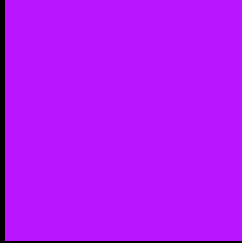
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.3445, 18.1081, 96.0820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

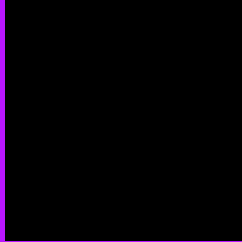
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.3445, 18.1081, 96.0820

Background



This preview shows how black text looks on a background with the XYZ color 38.3445, 18.1081, 96.0820.



This preview shows how white text looks on a background with the XYZ color 38.3445, 18.1081,

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

38.3445, 18.1081, 96.0820

Protanopia

21.8945, 18.3855, 85.6139

Deuteranopia

18.4702, 18.3279, 63.5369



Tritanopia

22.1119, 17.9886, 16.7747

Trichromacy



Original Color

38.3445, 18.1081, 96.0820



Protanomaly

21.8917, 13.7320, 88.6855



Deuteranomaly

19.2907, 13.1813, 73.4790



Tritanomaly

25.4165, 15.7894, 35.8905

Monochromacy



Original Color

38.3445, 18.1081, 96.0820



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

17.0762, 11.3805, 31.8685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3445, 18.1081, 96.0820 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(185, 22, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 22, 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(185, 22, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 22, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.3445, 18.1081, 96.0820 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(185, 22, 255) }
```


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

```
.border{ border-color:rgb(185, 22, 255) }
```

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

Here you see how a box with a 4 pixel rgb(185, 22, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 22, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 22, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 22,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3445, 18.1081, 96.0820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 22, 255) }
```

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

```
.background{ background-color: rgb(185, 22,  
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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