

Converting Colors

XYZ(35.8313, 16.9577, 93.8548)

Have a look what the booklet for
XYZ(35.8313, 16.9577, 93.8548)
contains.

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Color

**XYZ(35.8228, 16.9536,
93.4798)**

Conversions

Conversions Part 1

Format	Color
Hex	B019FC
RGB	176, 25, 252
RGB Percent	69%, 10%, 99%
CMY	0.3098, 0.9020, 0.0118
CMYK	0.30, 0.90, 0.00, 0.01
HSL	280°, 97%, 54%
HSV	280°, 90%, 99%
XYZ	35.8228, 16.9536, 93.4798
YIQ	96.0270, 17.1290, 102.6090

Conversions

Conversions Part 2

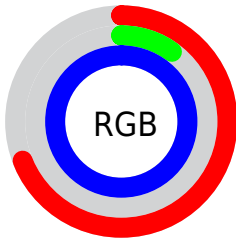
Format	Color
R _{YB}	176, 25, 252
Decimal	11540988
CIE Lab	48.20, 84.44, -79.39
CIE LCh	48, 115.901, 316.764
Yxy	16.9536, 0.2449, 0.1159
Android (android.graphics.Color)	4289731068 (0xFFB019FC)
YUV	96.0270, 76.8947, 70.1363
Hunter-Lab	41.1747, 83.2425, -105.7849

Details

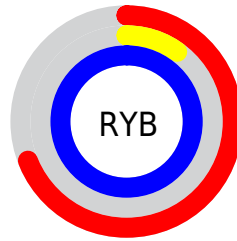
The XYZ color **35.8228, 16.9536, 93.4798** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed purple. A complement of this color would be **40.3528, 72.4580, 12.7788**, and the grayscale version is **10.9424, 11.5123, 12.5369**.

A 20% lighter version of the original color is **57.3427, 33.9599, 98.1404**, and **16.8078, 7.5399, 51.6084** is the 20% darker color. If you saturate the color by 10%, you get **33.6412, 15.3129, 93.2785**, and if you desaturate by 10%, it is **38.5928, 19.5717, 93.8395**.

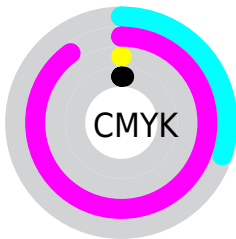
Distribution



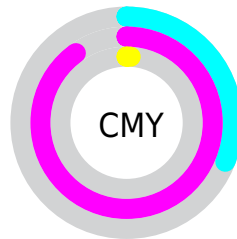
- Red (69%)
- Green (10%)
- Blue (99%)



- Red (69%)
- Yellow (10%)
- Blue (99%)



- Cyan (30%)
- Magenta (90%)
- Yellow (0%)
- Black (1%)





- Cyan (31%)
- Magenta (90%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8228, 16.9536, 93.4798 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 35.8228, 16.9536, 93.4798 by changing the saturation by 10% instead.


 35.8228, 16.9536,
93.4798

 35.8228, 16.9536,
93.4798


319.6301,
234.9048, 560.1462


 24.4668, 10.2014,
70.2805


 68.0841, 38.2460,
154.1402


 15.8069, 5.5327,
51.2770


 89.7202, 53.5550,
192.4383


 9.4776, 2.5631,
36.0509


 115.5137, 72.4850,
236.6064

 5.1136, 0.9081,
24.1835

 145.8300, 95.4205,
287.0631

 2.3495, 0.0000,
15.2563

 181.0345,
122.7458, 344.2269

 0.8198, 0.0000,
8.8509

 221.4924,

 0.0000, 0.0000,

154.8454, 408.5163

4.5485

267.5692,
192.1036, 480.3499

■ 0.0000, 0.0000,
1.9308

■ 0.0000, 0.0000,
0.5123

■ 35.8228, 16.9536,
93.4798

■ 35.8228, 16.9536,
93.4798

■ 33.6412, 15.3129,
93.2785

■ 38.5928, 19.5717,
93.8395

■ 42.0752, 23.4365,
94.4019

■ 46.3578, 28.7197,
95.1960

■ 51.5137, 35.5646,
96.2454

■ 57.6073, 44.0967,
97.5711

■ 64.6959, 54.4283,
99.1917

■ 72.8324, 66.6621,
101.1242

■ 82.0654, 80.8927,
103.3844

■ 92.4404, 97.2085,
105.9868

Harmonies

Analogous

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



22.6874, 16.9536, 148.2447



35.8228, 16.9536, 93.4798



44.9498, 16.9536, 35.1735

Triad

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



35.8228, 16.9536, 93.4798



21.2085, 16.9536, 0.0000



3.4628, 16.9536, 40.7431

Complementary

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



35.8228, 16.9536, 93.4798



40.3528, 72.4580, 12.7788

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.



3.3484, 16.9536, 8.1116



35.8228, 16.9536, 93.4798



10.9513, 16.9536, 0.0000

Square

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



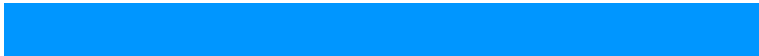
35.8228, 16.9536, 93.4798



34.3425, 16.9536, 0.0000



5.4065, 16.9536, 0.2596



5.8433, 16.9536, 101.1220

Rectangle

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



35.8228, 16.9536, 93.4798



45.7410, 16.9536, 12.4379



5.4065, 16.9536, 0.2596



3.2110, 16.9536, 26.1656

Sweetspot

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



35.8237, 16.9542, 93.4802



68.9029, 59.5484, 102.4702



22.9676, 17.2268, 94.2104



14.1661, 11.8800, 21.7964



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.



35.8237, 16.9542, 93.4802



34.5473, 15.7247, 95.8221



53.1412, 26.4503, 68.6004



17.3955, 17.2165, 21.7916



17.6870, 8.0607, 48.5972



1.7507, 0.8046, 4.5062

Inverse Universe

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



42.8417, 22.3305, 14.3640



42.8945, 21.9218, 10.6425



36.0023, 70.1441, 15.7864



17.4843, 17.3211, 19.1401



21.8140, 11.1413, 5.7291



2.0675, 1.0507, 0.7787

Previews

White Background



This preview shows how the XYZ color 35.8228, 16.9536, 93.4798 looks on a white background.

Color Contrast Check

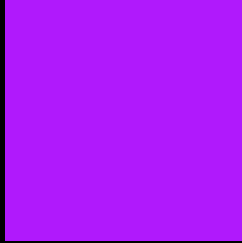
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8228, 16.9536, 93.4798 looks on a black 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

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

XYZ 35.8228, 16.9536, 93.4798

Background



This preview shows how black text looks on a background with the XYZ color 35.8228, 16.9536, 93.4798.



This preview shows how white text looks on a background with the XYZ color 35.8228, 16.9536,

93.4798.

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

35.8228, 16.9536, 93.4798

Protanopia

20.5357, 17.3094, 80.1006

Deuteranopia

17.2579, 17.2687, 58.9235



Tritanopia

20.0264, 16.7764, 16.3700

Trichromacy



Original Color

35.8228, 16.9536, 93.4798



Protanomaly

20.8602, 13.1782, 84.6633



Deuteranomaly

18.3358, 12.6511, 69.8821



Tritanomaly

23.2249, 14.7767, 34.8858

Monochromacy



Original Color

35.8228, 16.9536, 93.4798



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

16.3974, 11.0402, 31.4037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8228, 16.9536, 93.4798 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(176, 25, 252)` looks like.

```
.text, #text, p{  
    color:rgb(176, 25, 252)  
}
```

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(176, 25, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 25, 252) }
```

Border

The CSS property to change the border of an element to XYZ 35.8228, 16.9536, 93.4798 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(176, 25, 252) }
```


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

```
.border{ border-color:rgb(176, 25, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 25, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 25, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 25, 252);  
box-shadow:4px 4px 4px 4px rgb(176, 25,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8228, 16.9536, 93.4798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 25, 252) }
```

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

```
.background{ background-color: rgb(176, 25,  
252) }
```

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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