

Converting Colors

XYZ(35.1228, 16.3073, 87.6826)

Have a look what the booklet for
XYZ(35.1228, 16.3073, 87.6826)
contains.

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Color

**XYZ(35.1478, 16.3282,
87.6854)**

Conversions

Conversions Part 1

Format	Color
Hex	B307F5
RGB	179, 7, 245
RGB Percent	70%, 3%, 96%
CMY	0.2980, 0.9725, 0.0392
CMYK	0.27, 0.97, 0.00, 0.04
HSL	283°, 94%, 49%
HSV	283°, 97%, 96%
XYZ	35.1478, 16.3282, 87.6854
YIQ	85.5600, 26.1140, 110.4820

Conversions

Conversions Part 2

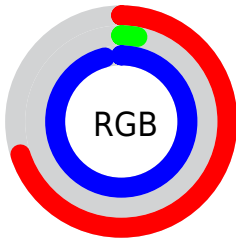
Format	Color
RYB	179, 7, 245
Decimal	11732981
CIELab	47.40, 85.60, -76.76
CIELCh	47, 114.976, 318.117
Yxy	16.3282, 0.2526, 0.1173
Android (android.graphics.Color)	4289923061 (0xFFB307F5)
YUV	85.5600, 78.6039, 81.9469
Hunter-Lab	40.4082, 84.5484, -100.3731

Details

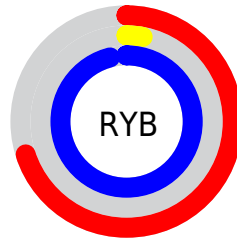
The XYZ color **35.1478, 16.3282, 87.6854** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **35.4389, 66.7371, 11.2149**, and the grayscale version is **8.5896, 9.0369, 9.8412**.

A 20% lighter version of the original color is **57.8123, 33.3996, 98.0075**, and **16.4409, 7.4394, 47.5831** is the 20% darker color. If you saturate the color by 10%, you get **34.6266, 15.9468, 87.6396**, and if you desaturate by 10%, it is **37.1853, 18.0130, 87.9035**.

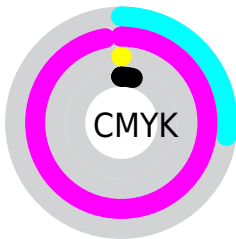
Distribution



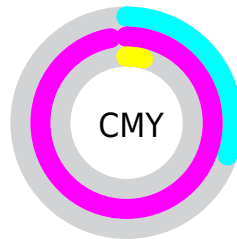
- Red (70%)
- Green (3%)
- Blue (96%)



- Red (70%)
- Yellow (3%)
- Blue (96%)



- Cyan (27%)
- Magenta (97%)
- Yellow (0%)
- Black (4%)





- Cyan (30%)
- Magenta (97%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1478, 16.3282, 87.6854 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 35.1478, 16.3282, 87.6854 by changing the saturation by 10% instead.

 35.1478, 16.3282,
87.6854

 35.1478, 16.3282,
87.6854

316.7168,
231.2706, 540.8470

 23.9438, 9.7567,
65.4997


 67.0472, 37.1670,
146.0264


 15.4164, 5.2379,
47.4125


 88.4733, 52.2032,
183.0187


 9.2004, 2.3875,
33.0052


 114.0374, 70.8296,
225.7837

 4.9303, 0.8195,
21.8593

 144.1050, 93.4308,
274.7399

 2.2407, 0.0000,
13.5562

 179.0414,
120.3911, 330.3057

 0.7641, 0.0000,
7.6774

 219.2119,

 0.0000, 0.0000,

152.0949, 392.8999

3.8044

264.9820,
188.9266, 462.9408

■ 0.0000, 0.0000,
1.5187

■ 0.0000, 0.0000,
0.2318

■ 35.1478, 16.3282,
87.6854

■ 35.1478, 16.3282,
87.6854

■ 34.6266, 15.9468,
87.6396

■ 37.1853, 18.0130,
87.9035

■ 39.7842, 20.7054,
88.2862

■ 43.0430, 24.5993,
88.8661

■ 47.0372, 29.8447,
89.6680

■ 51.8316, 36.5692,
90.7133

■ 57.4831, 44.8855,
92.0206

■ 64.0434, 54.8953,
93.6070

■ 71.5596, 66.6914,
95.4877

■ 80.0755, 80.3601,
97.6772

Harmonies

Analogous

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



22.4421, 16.3282, 142.1557



35.1478, 16.3282, 87.6854



43.6624, 16.3282, 32.0128

Triad

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



35.1478, 16.3282, 87.6854



19.9125, 16.3282, 0.0000



3.3545, 16.3282, 41.5502

Complementary

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



35.1478, 16.3282, 87.6854



35.4389, 66.7371, 11.2149

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.



3.1598, 16.3282, 8.5482



35.1478, 16.3282, 87.6854



10.1906, 16.3282, 0.0000

Square

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



35.1478, 16.3282, 87.6854



32.6137, 16.3282, 0.0000



5.0270, 16.3282, 0.3473



5.7714, 16.3282, 100.7872

Rectangle

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



35.1478, 16.3282, 87.6854



44.1094, 16.3282, 10.9760



5.0270, 16.3282, 0.3473



3.0831, 16.3282, 26.9338

Sweetspot

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



35.1487, 16.3288, 87.6858



68.6779, 57.8641, 102.1569



19.0474, 11.5941, 87.6205



14.0338, 11.3661, 21.7042



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.



35.1487, 16.3288, 87.6858



37.8859, 17.4458, 95.9783



47.4067, 23.4344, 52.7317



16.7394, 16.5238, 20.8497



18.7950, 8.6635, 47.2196



1.7511, 0.8126, 4.1548

Inverse Universe

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



38.9351, 20.0458, 8.1212



42.3682, 21.7113, 7.8708



33.5186, 65.6616, 14.9871



16.6880, 16.5580, 18.1034



20.8975, 10.7024, 4.1686



1.8785, 0.9574, 0.5864

Previews

White Background



This preview shows how the XYZ color 35.1478, 16.3282, 87.6854 looks on a white background.

Color Contrast Check

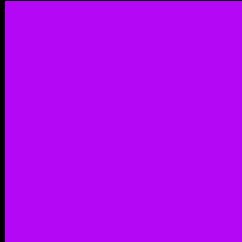
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.1478, 16.3282, 87.6854 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 35.1478, 16.3282, 87.6854

Background



This preview shows how black text looks on a background with the XYZ color 35.1478, 16.3282, 87.6854.



This preview shows how white text looks on a background with the XYZ color 35.1478, 16.3282,

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

35.1478, 16.3282, 87.6854

Protanopia

19.9997, 16.9214, 77.8134

Deuteranopia

16.7880, 16.7078, 57.5985



Tritanopia

20.3414, 16.4129, 14.9279

Trichromacy



Original Color

35.1478, 16.3282, 87.6854



Protanomaly

19.7028, 11.9450, 80.6240



Deuteranomaly

17.2888, 11.3025, 66.9160



Tritanomaly

23.0596, 13.9259, 32.4829

Monochromacy



Original Color

35.1478, 16.3282, 87.6854



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.2429, 8.9329, 27.3591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1478, 16.3282, 87.6854 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(179, 7, 245)` looks like.

```
.text, #text, p{  
    color:rgb(179, 7, 245)  
}
```

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(179, 7, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 7, 245) }
```

Border

The CSS property to change the border of an element to XYZ 35.1478, 16.3282, 87.6854 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(179, 7, 245) }
```


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

```
.border{ border-color:rgb(179, 7, 245) }
```

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

Here you see how a box with a 4 pixel rgb(179, 7, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 7, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 7, 245);  
box-shadow:4px 4px 4px 4px rgb(179, 7,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1478, 16.3282, 87.6854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 7, 245) }
```

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

```
.background{ background-color: rgb(179, 7,  
245) }
```

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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