

Converting Colors

XYZ(35.7447, 16.4815, 89.5764)

Have a look what the booklet for
XYZ(35.7447, 16.4815, 89.5764)
contains.

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Color

**XYZ(35.6109, 16.4187,
89.2879)**

Conversions

Conversions Part 1

Format	Color
Hex	B400F7
RGB	180, 0, 247
RGB Percent	71%, 0%, 97%
CMY	0.2941, 1.0000, 0.0314
CMYK	0.27, 1.00, 0.00, 0.03
HSL	284°, 100%, 48%
HSV	284°, 100%, 97%
XYZ	35.6109, 16.4187, 89.2879
YIQ	81.9780, 27.9930, 114.9770

Conversions

Conversions Part 2

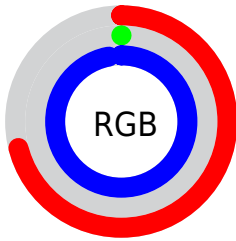
Format	Color
RYB	180, 0, 247
Decimal	11796727
CIELab	47.52, 86.67, -77.69
CIELCh	48, 116.387, 318.128
Yxy	16.4187, 0.2520, 0.1162
Android (android.graphics.Color)	4289986807 (0xFFB400F7)
YUV	81.9780, 81.3558, 85.9653
Hunter-Lab	40.5200, 85.9643, -102.2846

Details

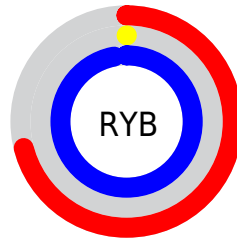
The XYZ color **35.6109, 16.4187, 89.2879** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **35.5760, 67.7153, 11.1955**, and the grayscale version is **7.8557, 8.2648, 9.0004**.

A 20% lighter version of the original color is **58.0667, 33.4029, 97.9947**, and **16.7931, 7.5961, 48.7252** is the 20% darker color. If you saturate the color by 10%, you get **35.6112, 16.4188, 89.2882**, and if you desaturate by 10%, it is **37.5509, 17.9257, 89.4768**.

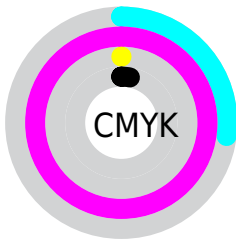
Distribution



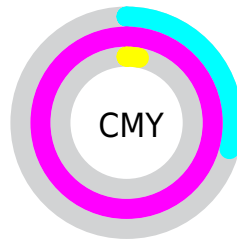
- Red (71%)
- Green (0%)
- Blue (97%)



- Red (71%)
- Yellow (0%)
- Blue (97%)



- Cyan (27%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)





- Cyan (29%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6109, 16.4187, 89.2879 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 35.6109, 16.4187, 89.2879 by changing the saturation by 10% instead.


 35.6109, 16.4187,
89.2879


 35.6109, 16.4187,
89.2879


318.7176,
231.7999, 546.2219


 24.3026, 9.8209,
66.8198


 67.7589, 37.3236,
148.2757

 15.6842, 5.2804,
48.4775


 89.3292, 52.3995,
185.6325


 9.3904, 2.4127,
33.8425


 115.0509, 71.0702,
228.7893

 5.0558, 0.8324,
22.4963

 145.2894, 93.7201,
278.1646

 2.3151, 0.0000,
14.0202

 180.4099,
120.7336, 334.1770

 0.8024, 0.0000,
7.9958

 220.7779,

 0.0000, 0.0000,

152.4952, 397.2450

4.0045

266.7587,
189.3891, 467.7871

■ 0.0000, 0.0000,
1.6278

■ 0.0000, 0.0000,
0.3106

■ 35.6109, 16.4187,
89.2879

■ 35.6109, 16.4187,
89.2879

■ 35.6112, 16.4188,
89.2882

■ 37.5509, 17.9257,
89.4768

■ 39.9992, 20.3369,
89.8132

■ 43.0915, 23.9210,
90.3420

■ 46.9094, 28.8398,
91.0903

■ 51.5214, 35.2292,
92.0805

■ 56.9878, 43.2079,
93.3324

■ 63.3624, 52.8825,
94.8638

■ 70.6946, 64.3500,
96.6908

■ 79.0298, 77.7002,
98.8283

Harmonies

Analogous

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



22.6528, 16.4187, 145.1724



35.6109, 16.4187, 89.2879



44.3069, 16.4187, 32.3535

Triad

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



35.6109, 16.4187, 89.2879



20.0683, 16.4187, 0.0000



3.3038, 16.4187, 42.1213

Complementary

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



35.6109, 16.4187, 89.2879



35.5760, 67.7153, 11.1955

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.



3.1082, 16.4187, 8.5282



35.6109, 16.4187, 89.2879



10.1962, 16.4187, 0.0000

Square

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



35.6109, 16.4187, 89.2879



33.0148, 16.4187, 0.0000



4.9821, 16.4187, 0.2967



5.7344, 16.4187, 102.7654

Rectangle

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



35.6109, 16.4187, 89.2879



44.7612, 16.4187, 10.9690



4.9821, 16.4187, 0.2967



3.0318, 16.4187, 27.2070

Sweetspot

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



35.6118, 16.4193, 89.2883



68.0836, 56.7948, 101.9818



18.9781, 11.0944, 89.1372



13.9274, 11.1680, 21.6715



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.



35.6118, 16.4193, 89.2883



38.2586, 17.6379, 95.9957



48.0379, 23.6464, 52.7688



16.7496, 16.5291, 20.8502



18.9765, 8.7571, 47.2281



1.7658, 0.8202, 4.1555

Inverse Universe

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



39.3713, 20.1797, 7.1310



42.3194, 21.6918, 7.6143



33.9157, 66.7837, 14.5346



16.6838, 16.5564, 18.0812



20.8726, 10.6925, 4.0375



1.8758, 0.9563, 0.5724

Previews

White Background



This preview shows how the XYZ color 35.6109, 16.4187, 89.2879 looks on a white background.

Color Contrast Check

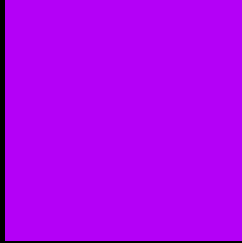
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6109, 16.4187, 89.2879 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 35.6109, 16.4187, 89.2879

Background



This preview shows how black text looks on a background with the XYZ color 35.6109, 16.4187, 89.2879.



This preview shows how white text looks on a background with the XYZ color 35.6109, 16.4187,

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

35.6109, 16.4187, 89.2879

Protanopia

20.1414, 16.9781, 78.5595

Deuteranopia

17.0220, 16.9868, 58.2588



Tritanopia

20.6780, 16.7170, 15.2335

Trichromacy



Original Color

35.6109, 16.4187, 89.2879

Protanomaly

19.6562, 11.6186, 81.3274

Deuteranomaly

17.2836, 11.0833, 67.5580

Tritanomaly

23.2404, 13.8449, 32.8999

Monochromacy



Original Color

35.6109, 16.4187, 89.2879

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

13.5817, 8.2605, 26.4698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6109, 16.4187, 89.2879 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(180, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(180, 0, 247)  
}
```

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(180, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 35.6109, 16.4187, 89.2879 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(180, 0, 247) }
```


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

```
.border{ border-color:rgb(180, 0, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 0, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(180, 0,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6109, 16.4187, 89.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 0, 247) }
```

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

```
.background{ background-color: rgb(180, 0,  
247) }
```

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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