

Converting Colors

XYZ(35.8461, 16.6647, 83.5276)

Have a look what the booklet for
XYZ(35.8461, 16.6647, 83.5276)
contains.

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Color

**XYZ(35.9779, 16.7304,
83.7711)**

Conversions

Conversions Part 1

Format	Color
Hex	BA00F0
RGB	186, 0, 240
RGB Percent	73%, 0%, 94%
CMY	0.2706, 0.9999, 0.0588
CMYK	0.22, 1.00, 0.00, 0.06
HSL	286°, 100%, 47%
HSV	286°, 100%, 94%
XYZ	35.9779, 16.7304, 83.7711
YIQ	82.9740, 33.8160, 114.0720

Conversions

Conversions Part 2

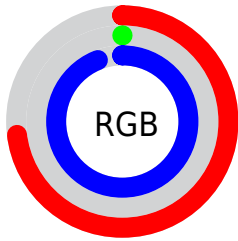
Format	Color
R_{YB}	186, 0, 240
Decimal	12189936
CIE _{Lab}	47.92, 86.18, -73.06
CIE _{LCh}	48, 112.979, 319.710
Yxy	16.7304, 0.2636, 0.1226
Android (android.graphics.Color)	4290380016 (0xFFBA00F0)
YUV	82.9740, 77.4138, 90.3538
Hunter-Lab	40.9028, 85.4277, -92.7971

Details

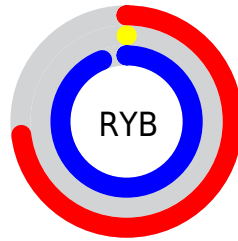
The XYZ color **35.9779, 16.7304, 83.7711** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **32.6822, 63.1050, 10.4583**, and the grayscale version is **8.0618, 8.4817, 9.2366**.

A 20% lighter version of the original color is **60.2349, 34.6484, 98.1208**, and **17.1514, 7.8545, 45.4118** is the 20% darker color. If you saturate the color by 10%, you get **35.9779, 16.7304, 83.7714**, and if you desaturate by 10%, it is **37.6425, 18.0738, 83.9430**.

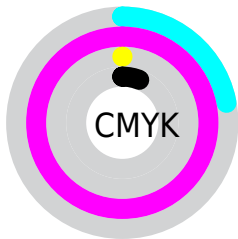
Distribution



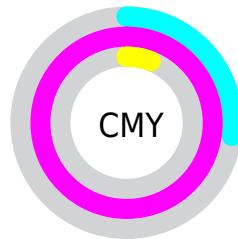
- Red (73%)
- Green (0%)
- Blue (94%)



- Red (73%)
- Yellow (0%)
- Blue (94%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (27%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9779, 16.7304, 83.7711 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 35.9779, 16.7304, 83.7711 by changing the saturation by 10% instead.

 35.9779, 16.7304,
83.7711


 35.9779, 16.7304,
83.7711


320.2969,
233.6139, 527.5910


 24.5872, 10.0425,
62.2822


 68.3220, 37.8617,
140.5138


 15.8968, 5.4271,
44.8235


 90.0062, 53.0738,
176.6047


 9.5416, 2.5000,
30.9765


 115.8521, 71.8960,
218.3999

 5.1560, 0.8766,
20.3226

 146.2253, 94.7129,
266.3181

 2.3748, 0.0000,
12.4434

 181.4910,
121.9087, 320.7778

 0.8325, 0.0000,
6.9202

 222.0145,

 0.0000, 0.0000,

153.8679, 382.1974

3.3346

268.1614,
190.9748, 450.9957

■ 0.0000, 0.0000,
1.2679

■ 0.0000, 0.0000,
0.0353

■ 35.9779, 16.7304,
83.7711

■ 35.9779, 16.7304,
83.7711

■ 35.9779, 16.7304,
83.7714

■ 37.6425, 18.0738,
83.9430

■ 39.7601, 20.2500,
84.2514

■ 42.4585, 23.5126,
84.7389

■ 45.8133, 28.0119,
85.4306

■ 49.8878, 33.8740,
86.3473

■ 54.7377, 41.2095,
87.5076

■ 60.4128, 50.1174,
88.9279

■ 66.9588, 60.6879,
90.6232

■ 74.4176, 73.0046,
92.6074

Harmonies

Analogous

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



23.4540, 16.7304, 138.2389



35.9779, 16.7304, 83.7711



43.9602, 16.7304, 30.1689

Triad

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



35.9779, 16.7304, 83.7711



19.6584, 16.7304, 0.0000



3.6800, 16.7304, 44.3979

Complementary

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



35.9779, 16.7304, 83.7711



32.6822, 63.1050, 10.4583

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.



3.3754, 16.7304, 9.9296



35.9779, 16.7304, 83.7711



10.1745, 16.7304, 0.0000

Square

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



35.9779, 16.7304, 83.7711



32.2030, 16.7304, 0.0000



5.1606, 16.7304, 0.6683



6.3095, 16.7304, 103.0816

Rectangle

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



35.9779, 16.7304, 83.7711



44.0280, 16.7304, 10.3068



5.1606, 16.7304, 0.6683



3.3632, 16.7304, 29.3941

Sweetspot

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



35.9788, 16.7310, 83.7715



69.2586, 57.4005, 102.0368



17.1431, 9.1207, 83.2953



14.2100, 11.3137, 21.6848



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.



35.9788, 16.7310, 83.7715



41.2399, 19.1748, 96.1353



43.7723, 21.6604, 42.9501



16.0861, 15.8416, 19.9315



19.8149, 9.2204, 45.8632



1.7327, 0.8105, 3.8193

Inverse Universe

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



36.6016, 18.7921, 5.1895



41.9879, 21.5592, 5.8685



32.0861, 62.6908, 15.2614



15.9184, 15.8171, 17.1267



20.0771, 10.3033, 3.0569



1.7067, 0.8717, 0.4464

Previews

White Background



This preview shows how the XYZ color 35.9779, 16.7304, 83.7711 looks on a white background.

Color Contrast Check

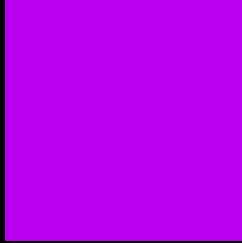
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.9779, 16.7304, 83.7711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

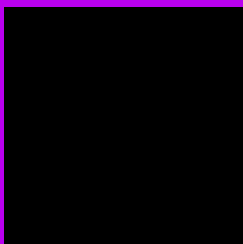
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 35.9779, 16.7304, 83.7711

Background



This preview shows how black text looks on a background with the XYZ color 35.9779, 16.7304, 83.7711.



This preview shows how white text looks on a background with the XYZ color 35.9779, 16.7304,

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

35.9779, 16.7304, 83.7711

Deuteranopia

17.4979, 17.3646, 60.1871

Tritanopia

21.8687, 16.9443, 14.4299

Trichromacy



Original Color

35.9779, 16.7304, 83.7711



Deuteranomaly

17.5549, 11.3231, 67.5900



Tritanomaly

24.5169, 14.3830, 31.1898

Monochromacy



Original Color

35.9779, 16.7304, 83.7711



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.7525, 8.4327, 25.7138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9779, 16.7304, 83.7711 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(186, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 240)  
}
```

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(186, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 35.9779, 16.7304, 83.7711 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(186, 0, 240) }
```

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

```
.border{ border-color:rgb(186, 0, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 0, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
240) }
```


Background

The CSS property to change the background color of an element to XYZ 35.9779, 16.7304, 83.7711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 240) }
```

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

```
.background{ background-color: rgb(186, 0,  
240) }
```

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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