

Converting Colors

XYZ(35.3851, 16.2224, 92.8885)

Have a look what the booklet for
XYZ(35.3851, 16.2224, 92.8885)
contains.

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Color

**XYZ(35.3171, 16.1951,
92.5313)**

Conversions

Conversions Part 1

Format	Color
Hex	B000FB
RGB	176, 0, 251
RGB Percent	69%, 0%, 98%
CMY	0.3098, 1.0000, 0.0157
CMYK	0.30, 1.00, 0.00, 0.02
HSL	282°, 100%, 49%
HSV	282°, 100%, 98%
XYZ	35.3171, 16.1951, 92.5313
YIQ	81.2380, 24.3250, 115.3730

Conversions

Conversions Part 2

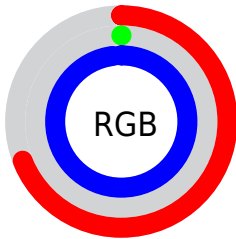
Format	Color
R_{YB}	176, 0, 251
Decimal	11534587
CIE _{Lab}	47.23, 86.92, -80.42
CIE _{LCh}	47, 118.420, 317.223
Yxy	16.1951, 0.2452, 0.1124
Android (android.graphics.Color)	4289724667 (0xFFB000FB)
YUV	81.2380, 83.6927, 83.1063
Hunter-Lab	40.2431, 86.2249, -108.1557

Details

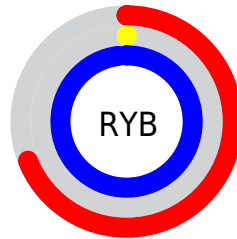
The XYZ color **35.3171, 16.1951, 92.5313** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **37.3989, 70.4904, 11.6350**, and the grayscale version is **7.7055, 8.1067, 8.8282**.

A 20% lighter version of the original color is **57.0510, 32.8793, 97.9472**, and **16.6959, 7.4951, 51.0188** is the 20% darker color. If you saturate the color by 10%, you get **35.3178, 16.1955, 92.5317**, and if you desaturate by 10%, it is **37.4109, 17.7938, 92.7299**.

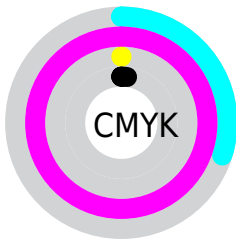
Distribution



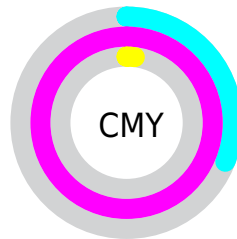
- Red (69%)
- Green (0%)
- Blue (98%)



- Red (69%)
- Yellow (0%)
- Blue (98%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (31%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3171, 16.1951, 92.5313 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 35.3171, 16.1951, 92.5313 by changing the saturation by 10% instead.


 35.3171, 16.1951,
92.5313


 35.3171, 16.1951,
92.5313

317.4493,
230.4902, 557.0123


 24.0749, 9.6623,
69.4965


 67.3075, 36.9366,
152.8156


 15.5142, 5.1756,
50.6419


 88.7864, 51.9141,
190.9022


 9.2697, 2.3507,
35.5490


 114.4083, 70.4752,
234.8432

 4.9760, 0.8003,
23.7991

 144.5385, 93.0045,
285.0571

 2.2678, 0.0000,
14.9739

 179.5423,
119.8862, 341.9624

 0.7781, 0.0000,
8.6546

 219.7852,

 0.0000, 0.0000,

151.5048, 405.9777

4.4229

265.6324,
188.2447, 477.5214

■ 0.0000, 0.0000,
1.8601

■ 0.0000, 0.0000,
0.4672

■ 35.3171, 16.1951,
92.5313

■ 35.3171, 16.1951,
92.5313

■ 35.3178, 16.1955,
92.5317

■ 37.4109, 17.7938,
92.7299

■ 40.0486, 20.3404,
93.0824

■ 43.3708, 24.1126,
93.6354

■ 47.4629, 29.2791,
94.4169

■ 52.3966, 35.9813,
95.4506

■ 58.2349, 44.3431,
96.7569

■ 65.0342, 54.4755,
98.3542

■ 72.8460, 66.4797,
100.2595

■ 81.7181, 80.4490,
102.4883

Harmonies

Analogous

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



22.1312, 16.1951, 149.1656



35.3171, 16.1951, 92.5313



44.4241, 16.1951, 33.6397

Triad

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



35.3171, 16.1951, 92.5313



20.2705, 16.1951, 0.0000



3.0814, 16.1951, 40.7079

Complementary

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



35.3171, 16.1951, 92.5313



37.3989, 70.4904, 11.6350

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.



2.9455, 16.1951, 7.7337



35.3171, 16.1951, 92.5313



10.1834, 16.1951, 0.0000

Square

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



35.3171, 16.1951, 92.5313



33.4367, 16.1951, 0.0000



4.8630, 16.1951, 0.0703



5.3916, 16.1951, 102.3810

Rectangle

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



35.3171, 16.1951, 92.5313



45.1119, 16.1951, 11.3504



4.8630, 16.1951, 0.0703



2.8349, 16.1951, 25.8907

Sweetspot

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



35.3180, 16.1956, 92.5317



67.3950, 56.4398, 101.9496



19.9493, 12.0383, 92.5393



13.7622, 11.0828, 21.6638



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.



35.3180, 16.1956, 92.5317



36.5959, 16.7808, 95.9179



50.3030, 24.7170, 57.2552



17.4585, 17.2490, 21.7945



18.7182, 8.5923, 48.6455



1.8404, 0.8508, 4.5104

Inverse Universe

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



41.0538, 21.0173, 8.5495



42.5512, 21.7845, 8.8348



35.0774, 69.2266, 14.5538



17.4580, 17.3106, 19.0017



21.6351, 11.0698, 4.7870



2.0483, 1.0431, 0.6780

Previews

White Background



This preview shows how the XYZ color 35.3171, 16.1951, 92.5313 looks on a white background.

Color Contrast Check

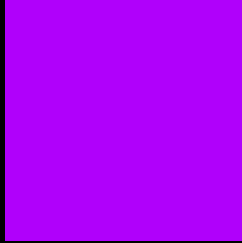
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.3171, 16.1951, 92.5313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

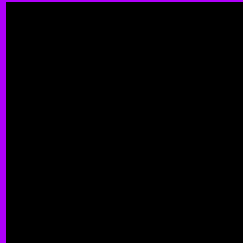
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 35.3171, 16.1951, 92.5313

Background



This preview shows how black text looks on a background with the XYZ color 35.3171, 16.1951, 92.5313.



This preview shows how white text looks on a background with the XYZ color 35.3171, 16.1951,

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

35.3171, 16.1951, 92.5313

Protanopia

19.7516, 16.6504, 77.0357

Deuteranopia

16.6707, 16.6609, 56.9808



Tritanopia

19.7317, 16.3553, 15.7526

Trichromacy



Original Color

35.3171, 16.1951, 92.5313

Protanomaly

19.6751, 11.5193, 82.0754

Deuteranomaly

17.3493, 11.1020, 68.2463

Tritanomaly

22.4778, 13.4220, 34.2069

Monochromacy



Original Color

35.3171, 16.1951, 92.5313

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

13.3884, 8.1522, 26.8545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3171, 16.1951, 92.5313 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, 0, 251)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 251)  
}
```

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, 0, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 251) }
```

Border

The CSS property to change the border of an element to XYZ 35.3171, 16.1951, 92.5313 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, 0, 251) }
```


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

```
.border{ border-color:rgb(176, 0, 251) }
```

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

Here you see how a box with a 4 pixel rgb(176, 0, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 251);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3171, 16.1951, 92.5313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 251) }
```

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

```
.background{ background-color: rgb(176, 0,  
251) }
```

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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