

Converting Colors

XYZ(32.2844, 13.1709, 46.9684)

Have a look what the booklet for
XYZ(32.2844, 13.1709, 46.9684)
contains.

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Color

**XYZ(33.9338, 16.4819,
47.2918)**

Conversions

Conversions Part 1

Format	Color
Hex	CD00B9
RGB	205, 0, 185
RGB Percent	80%, 0%, 73%
CMY	0.1961, 0.9999, 0.2745
CMYK	0.00, 1.00, 0.10, 0.20
HSL	306°, 100%, 40%
HSV	306°, 100%, 80%
XYZ	33.9338, 16.4819, 47.2918
YIQ	82.3850, 62.7950, 100.9950

Conversions

Conversions Part 2

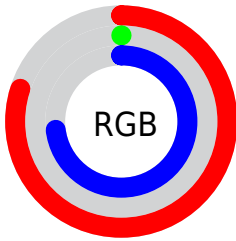
Format	Color
R_{YB}	205, 0, 185
Decimal	13435065
CIE _{Lab}	47.60, 80.57, -41.81
CIE _{LCh}	48, 90.767, 332.575
Yxy	16.4819, 0.3473, 0.1687
Android (android.graphics.Color)	4291625145 (0xFFCD00B9)
YUV	82.3850, 50.5892, 107.5334
Hunter-Lab	40.5979, 78.1531, -40.6474

Details

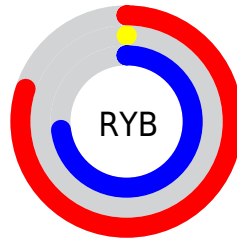
The XYZ color **33.9338, 16.4819, 47.2918** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **21.9585, 43.7139, 7.9435**, and the grayscale version is **7.9935, 8.4098, 9.1582**.

A 20% lighter version of the original color is **61.0942, 35.3251, 87.6028**, and **15.9508, 7.7497, 22.1279** is the 20% darker color. If you saturate the color by 10%, you get **33.9338, 16.4820, 47.2904**, and if you desaturate by 10%, it is **34.4064, 17.0864, 48.4987**.

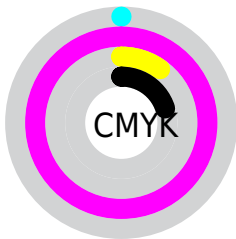
Distribution



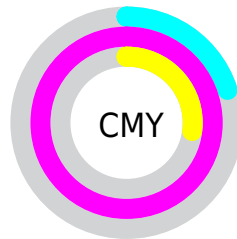
- Red (80%)
- Green (0%)
- Blue (73%)



- Red (80%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9338, 16.4819, 47.2918 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 33.9338, 16.4819, 47.2918 by changing the saturation by 10% instead.


 33.9338, 16.4819,
47.2918


 33.9338, 16.4819,
47.2918


311.4279,
232.1688, 392.4055


 23.0054, 9.8658,
32.9104


 65.1757, 37.4328,
87.5036


 14.7182, 5.3101,
21.7873


 86.2199, 52.5364,
114.1710


 8.7069, 2.4303,
13.5038


 111.3667, 71.2379,
145.7709

 4.6061, 0.8414,
7.6416

 140.9815, 93.9218,
182.7217

 2.0504, 0.0000,
3.7820

 175.4297,
120.9725, 225.4420

 0.6620, 0.0000,
1.5065

 215.0766,

 0.0000, 0.0000,

152.7742, 274.3504

0.2228

260.2875,
189.7115, 329.8654

■ 0.0000, 0.0000,
0.0000

■ 33.9338, 16.4819,
47.2918

■ 33.9338, 16.4819,
47.2918

■ 33.9338, 16.4820,
47.2904

■ 34.4064, 17.0864,
48.4987

■ 35.1565, 18.2414,
49.8127

■ 36.2784, 20.1353,
51.2655

■ 37.8225, 22.8687,
52.8738

■ 39.8313, 26.5268,
54.6519

■ 42.3421, 31.1840,
56.6123

■ 45.3885, 36.9074,
58.7662

■ 49.0010, 43.7583,
61.1239

■ 53.2079, 51.7930,
63.6948

Harmonies

Analogous

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



25.6254, 16.4819, 87.7848



33.9338, 16.4819, 47.2918



36.9187, 16.4819, 16.0177

Triad

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



33.9338, 16.4819, 47.2918



14.9769, 16.4819, 0.0000



5.8712, 16.4819, 54.2200

Complementary

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



33.9338, 16.4819, 47.2918



21.9585, 43.7139, 7.9435

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.



4.6956, 16.4819, 20.0232



33.9338, 16.4819, 47.2918



8.6925, 16.4819, 0.3902

Square

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



33.9338, 16.4819, 47.2918



23.9811, 16.4819, 0.1052



5.5153, 16.4819, 4.2512



9.5359, 16.4819, 93.6806

Rectangle

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



33.9338, 16.4819, 47.2918



34.8742, 16.4819, 5.6988



5.5153, 16.4819, 4.2512



5.2425, 16.4819, 41.0652

Sweetspot

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



33.9344, 16.4827, 47.2921



74.1313, 60.0486, 96.1128



11.2530, 4.5287, 58.0392



15.3908, 11.9555, 20.2423



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.



33.9344, 16.4827, 47.2921



55.5395, 26.9798, 77.2300



26.8344, 13.6427, 9.9041



11.6385, 11.3841, 13.8971



21.1445, 10.2684, 29.5433



1.1048, 0.5353, 1.5979

Inverse Universe

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



33.9344, 16.4827, 47.2921



55.5395, 26.9798, 77.2300



25.1976, 45.0096, 25.0008



11.6385, 11.3841, 13.8971



21.1445, 10.2684, 29.5433



1.1048, 0.5353, 1.5979

Previews

White Background



This preview shows how the XYZ color 33.9338, 16.4819, 47.2918 looks on a white background.

Color Contrast Check

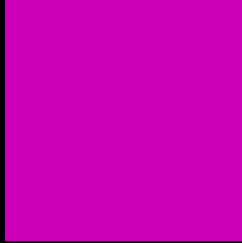
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9338, 16.4819, 47.2918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

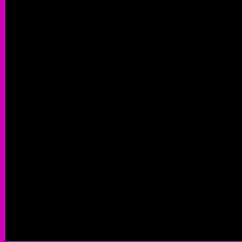
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.9338, 16.4819, 47.2918

Background



This preview shows how black text looks on a background with the XYZ color 33.9338, 16.4819, 47.2918.



This preview shows how white text looks on a background with the XYZ color 33.9338, 16.4819,

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

33.9338, 16.4819, 47.2918

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.5878, 17.1169, 42.4213



Tritanopia

26.2278, 16.9030, 8.9014

Trichromacy



Original Color

33.9338, 16.4819, 47.2918



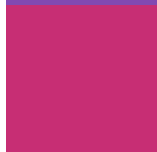
Protanomaly

17.6793, 11.0121, 66.8394



Deuteranomaly

19.6243, 12.7253, 43.5414



Tritanomaly

27.6826, 15.3571, 18.0282

Monochromacy



Original Color

33.9338, 16.4819, 47.2918



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.3102, 8.2999, 18.3533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9338, 16.4819, 47.2918 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(205, 0, 185)` looks like.

```
.text, #text, p{  
    color:rgb(205, 0, 185)  
}
```

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(205, 0, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 185) }
```

Border

The CSS property to change the border of an element to XYZ 33.9338, 16.4819, 47.2918 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(205, 0, 185) }
```


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

```
.border{ border-color:rgb(205, 0, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 0, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 185);  
box-shadow:4px 4px 4px 4px rgb(205, 0,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9338, 16.4819, 47.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 185) }
```

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

```
.background{ background-color: rgb(205, 0,  
185) }
```

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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