

Converting Colors

XYZ(34.3849, 16.7266, 46.7632)

Have a look what the booklet for
XYZ(34.3849, 16.7266, 46.7632)
contains.

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Color

**XYZ(34.3839, 16.7261,
46.7636)**

Conversions

Conversions Part 1

Format	Color
Hex	CF00B8
RGB	207, 0, 184
RGB Percent	81%, 0%, 72%
CMY	0.1882, 0.9999, 0.2784
CMYK	0.00, 1.00, 0.11, 0.19
HSL	307°, 100%, 41%
HSV	307°, 100%, 81%
XYZ	34.3839, 16.7261, 46.7636
YIQ	82.8690, 64.3080, 101.1080

Conversions

Conversions Part 2

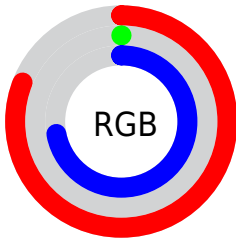
Format	Color
RYB	207, 0, 184
Decimal	13566136
CIELab	47.91, 80.78, -40.70
CIELCh	48, 90.454, 333.258
Yxy	16.7261, 0.3513, 0.1709
Android (android.graphics.Color)	4291756216 (0xFFCF00B8)
YUV	82.8690, 49.8576, 108.8629
Hunter-Lab	40.8976, 78.5000, -39.1658

Details

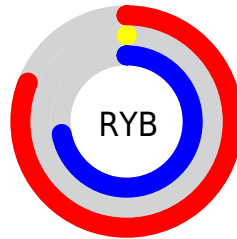
The XYZ color **34.3839, 16.7261, 46.7636** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **22.4685, 44.6884, 8.2538**, and the grayscale version is **8.0921, 8.5135, 9.2712**.

A 20% lighter version of the original color is **60.9443, 35.2652, 86.8138**, and **16.2420, 7.9076, 21.7894** is the 20% darker color. If you saturate the color by 10%, you get **34.3838, 16.7261, 46.7619**, and if you desaturate by 10%, it is **34.8906, 17.3500, 48.1321**.

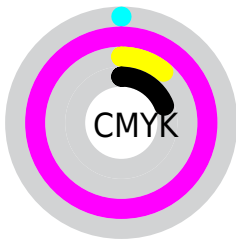
Distribution



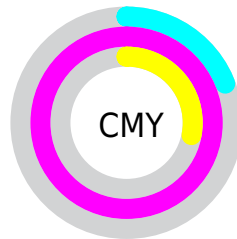
- Red (81%)
- Green (0%)
- Blue (72%)



- Red (81%)
- Yellow (0%)
- Blue (72%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3839, 16.7261, 46.7636 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 34.3839, 16.7261, 46.7636 by changing the saturation by 10% instead.


 34.3839, 16.7261,
46.7636


 34.3839, 16.7261,
46.7636


313.3963,
233.5890, 390.2365

 23.3530, 10.0394,
32.4958


 65.8706, 37.8542,
86.7069

 14.9765, 5.4251,
21.4725


 87.0570, 53.0645,
113.2195

 8.8891, 2.4988,
13.2752


 112.3593, 71.8847,
144.6508

 4.7254, 0.8760,
7.4854

 142.1428, 94.6992,
181.4194

 2.1202, 0.0000,
3.6845

 176.7729,
121.8926, 223.9437

 0.7001, 0.0000,
1.4539

 216.6150,

 0.0000, 0.0000,

153.8490, 272.6423

0.1832

262.0343,
190.9530, 327.9337

■ 0.0000, 0.0000,
0.0000

■ 34.3839, 16.7261,
46.7636

■ 34.3839, 16.7261,
46.7636

■ 34.3838, 16.7261,
46.7619

■ 34.8906, 17.3500,
48.1321

■ 35.6824, 18.5383,
49.6150

■ 36.8554, 20.4824,
51.2444

■ 38.4610, 23.2856,
53.0378

■ 40.5430, 27.0351,
55.0095

■ 43.1395, 31.8072,
57.1726

■ 46.2848, 37.6705,
59.5385

■ 50.0104, 44.6878,
62.1178

■ 54.3452, 52.9170,
64.9202

Harmonies

Analogous

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



26.1249, 16.7261, 87.3457



34.3839, 16.7261, 46.7636



37.2171, 16.7261, 15.7799

Triad

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



34.3839, 16.7261, 46.7636



15.0241, 16.7261, 0.0000



6.0692, 16.7261, 55.5407

Complementary

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



34.3839, 16.7261, 46.7636



22.4685, 44.6884, 8.2538

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.



4.8284, 16.7261, 20.8817



34.3839, 16.7261, 46.7636



8.7633, 16.7261, 0.4873

Square

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



34.3839, 16.7261, 46.7636



24.0363, 16.7261, 0.1279



5.6128, 16.7261, 4.5677



9.8411, 16.7261, 94.7975

Rectangle

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



34.3839, 16.7261, 46.7636



35.0611, 16.7261, 5.6225



5.6128, 16.7261, 4.5677



5.4142, 16.7261, 42.2819

Sweetspot

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



34.3845, 16.7269, 46.7639



73.9713, 59.9846, 95.2699



11.5665, 4.6622, 59.3225



15.3519, 11.9400, 20.0378



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.



34.3845, 16.7269, 46.7639



55.0584, 26.7874, 74.6970



27.2871, 13.8880, 9.3895



12.2518, 11.9855, 14.6020



21.6850, 10.5468, 29.5770



1.2290, 0.5963, 1.7408

Inverse Universe

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



34.3845, 16.7269, 46.7639



55.0584, 26.7874, 74.6970



25.9651, 46.0870, 26.6667



12.2518, 11.9855, 14.6020



21.6850, 10.5468, 29.5770



1.2290, 0.5963, 1.7408

Previews

White Background



This preview shows how the XYZ color 34.3839, 16.7261, 46.7636 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 34.3839, 16.7261, 46.7636 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 34.3839, 16.7261, 46.7636

Background



This preview shows how black text looks on a background with the XYZ color 34.3839, 16.7261, 46.7636.



This preview shows how white text looks on a background with the XYZ color 34.3839, 16.7261,

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

34.3839, 16.7261, 46.7636

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

17.8900, 17.4523, 41.9609



Tritanopia

26.6829, 17.0409, 8.9041

Trichromacy



Original Color

34.3839, 16.7261, 46.7636



Protanomaly

17.8098, 11.0643, 67.5266



Deuteranomaly

19.9912, 12.9260, 43.0363



Tritanomaly

28.2168, 15.6325, 18.0532

Monochromacy



Original Color

34.3839, 16.7261, 46.7636



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.5654, 8.4915, 18.6933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3839, 16.7261, 46.7636 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(207, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 184)  
}
```

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(207, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 184) }
```

Border

The CSS property to change the border of an element to XYZ 34.3839, 16.7261, 46.7636 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(207, 0, 184) }
```


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

```
.border{ border-color:rgb(207, 0, 184) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3839, 16.7261, 46.7636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 184) }
```

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

```
.background{ background-color: rgb(207, 0,  
184) }
```

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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