

Converting Colors

XYZ(31.6721, 11.3519, 38.3434)

Have a look what the booklet for
XYZ(31.6721, 11.3519, 38.3434)
contains.

XYZ(34.4071, 16.8993, 39.4787)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.4071, 16.8993,
39.4787)**

Conversions

Conversions Part 1

Format	Color
Hex	D400AA
RGB	212, 0, 170
RGB Percent	83%, 0%, 67%
CMY	0.1686, 0.9999, 0.3333
CMYK	0.00, 1.00, 0.20, 0.17
HSL	312°, 100%, 42%
HSV	312°, 100%, 83%
XYZ	34.4071, 16.8993, 39.4787
YIQ	82.7680, 71.7820, 97.8140

Conversions

Conversions Part 2

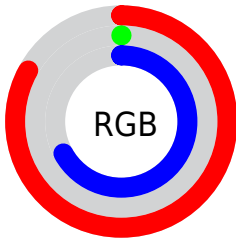
Format	Color
R_{YB}	212, 0, 170
Decimal	13893802
CIE _{Lab}	48.13, 79.91, -32.04
CIE _{LCh}	48, 86.096, 338.152
Yxy	16.8993, 0.3790, 0.1861
Android (android.graphics.Color)	4292083882 (0xFFD400AA)
YUV	82.7680, 43.0054, 113.3365
Hunter-Lab	41.1088, 77.4601, -28.1629

Details

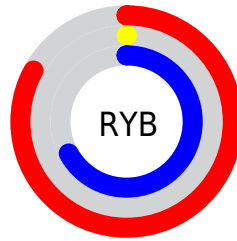
The XYZ color **34.4071, 16.8993, 39.4787** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **23.9626, 47.2549, 10.0519**, and the grayscale version is **8.0843, 8.5053, 9.2623**.

A 20% lighter version of the original color is **58.8818, 34.5797, 75.5226**, and **16.1598, 7.9598, 17.5143** is the 20% darker color. If you saturate the color by 10%, you get **34.4067, 16.8992, 39.4755**, and if you desaturate by 10%, it is **35.0837, 17.6060, 41.6965**.

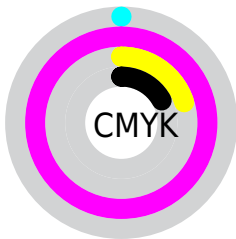
Distribution



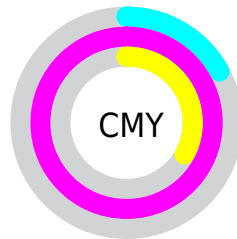
- Red (83%)
- Green (0%)
- Blue (67%)



- Red (83%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4071, 16.8993, 39.4787 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 34.4071, 16.8993, 39.4787 by changing the saturation by 10% instead.


 34.4071, 16.8993,
39.4787


 34.4071, 16.8993,
39.4787


313.4976,
234.5914, 359.4080


 23.3709, 10.1627,
26.8216


 65.9063, 38.1526,
75.5974


 14.9898, 5.5070,
17.2081

 87.1001, 53.4380,
99.8962

 8.8985, 2.5477,
10.2194


 112.4104, 72.3419,
128.9125

 4.7316, 0.9004,
5.4372

 142.2026, 95.2486,
163.0651

 2.1238, 0.0000,
2.4428

 176.8420,
122.5425, 202.7724

 0.7021, 0.0000,
0.8096

 216.6941,

 0.0000, 0.0000,

154.6080, 248.4529

0.0000

262.1242,
191.8295, 300.5253

■ 34.4071, 16.8993,
39.4787

■ 34.4071, 16.8993,
39.4787

■ 34.4067, 16.8992,
39.4755

■ 35.0837, 17.6060,
41.6965

■ 36.0713, 18.9146,
44.0810

■ 37.4703, 21.0252,
46.6665

■ 39.3356, 24.0475,
49.4718

■ 41.7136, 28.0741,
52.5128

■ 44.6448, 33.1859,
55.8036

■ 48.1657, 39.4559,
59.3571

■ 52.3098, 46.9505,
63.1846

■ 57.1077, 55.7312,
67.2972

Harmonies

Analogous

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



27.2315, 16.8993, 77.1195



34.4071, 16.8993, 39.4787



35.9695, 16.8993, 12.9540

Triad

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



34.4071, 16.8993, 39.4787



14.0268, 16.8993, 0.0000



6.9149, 16.8993, 59.7710

Complementary

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



34.4071, 16.8993, 39.4787



23.9626, 47.2549, 10.0519

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.



5.3156, 16.8993, 25.1927



34.4071, 16.8993, 39.4787



8.4606, 16.8993, 1.0723

Square

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



34.4071, 16.8993, 39.4787



22.3198, 16.8993, 0.2150



5.7712, 16.8993, 6.5922



11.0994, 16.8993, 94.0720

Rectangle

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



34.4071, 16.8993, 39.4787



33.2611, 16.8993, 4.6590



5.7712, 16.8993, 6.5922



6.1309, 16.8993, 47.0415

Sweetspot

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



34.4077, 16.9002, 39.4790



72.9648, 59.5820, 89.9698



12.7168, 5.1835, 62.6181



15.1084, 11.8426, 18.7556



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.



34.4077, 16.9002, 39.4790



52.1959, 25.6424, 59.6230



28.1698, 14.4050, 6.6306



12.8426, 12.5886, 15.1116



21.2771, 10.4471, 24.5608



1.3108, 0.6411, 1.6262

Inverse Universe

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



34.4077, 16.9002, 39.4790



52.1959, 25.6424, 59.6230



28.6455, 49.1281, 34.7116



12.8426, 12.5886, 15.1116



21.2771, 10.4471, 24.5608



1.3108, 0.6411, 1.6262

Previews

White Background



This preview shows how the XYZ color 34.4071, 16.8993, 39.4787 looks on a white background.

Color Contrast Check

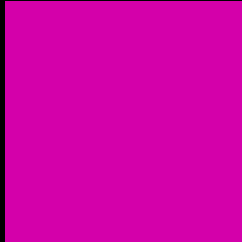
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4071, 16.8993, 39.4787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

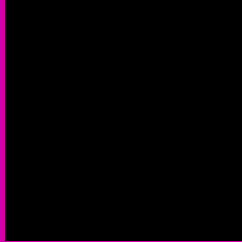
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.4071, 16.8993, 39.4787

Background



This preview shows how black text looks on a background with the XYZ color 34.4071, 16.8993, 39.4787.



This preview shows how white text looks on a background with the XYZ color 34.4071, 16.8993,

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

34.4071, 16.8993, 39.4787

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

17.9823, 17.6482, 35.2596



Tritanopia

28.0463, 17.3066, 7.8235

Trichromacy



Original Color

34.4071, 16.8993, 39.4787



Protanomaly

17.3240, 10.8884, 64.1394



Deuteranomaly

20.3211, 13.2491, 36.1366



Tritanomaly

29.2498, 16.0547, 15.4671

Monochromacy



Original Color

34.4071, 16.8993, 39.4787



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.5735, 8.5298, 17.1507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4071, 16.8993, 39.4787 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(212, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 170)  
}
```

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(212, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 170) }
```

Border

The CSS property to change the border of an element to XYZ 34.4071, 16.8993, 39.4787 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(212, 0, 170) }
```


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

```
.border{ border-color:rgb(212, 0, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4071, 16.8993, 39.4787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 170) }
```

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

```
.background{ background-color: rgb(212, 0,  
170) }
```

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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