

Converting Colors

XYZ(34.5044, 16.9385, 39.9804)

Have a look what the booklet for
XYZ(34.5044, 16.9385, 39.9804)
contains.

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Color

**XYZ(34.5021, 16.9373,
39.9788)**

Conversions

Conversions Part 1

Format	Color
Hex	D400AB
RGB	212, 0, 171
RGB Percent	83%, 0%, 67%
CMY	0.1686, 0.9999, 0.3294
CMYK	0.00, 1.00, 0.19, 0.17
HSL	312°, 100%, 42%
HSV	312°, 100%, 83%
XYZ	34.5021, 16.9373, 39.9788
YIQ	82.8820, 71.4610, 98.1250

Conversions

Conversions Part 2

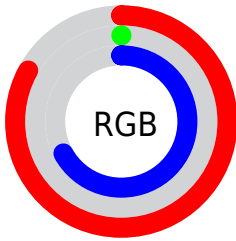
Format	Color
R_{YB}	212, 0, 171
Decimal	13893803
CIE _{Lab}	48.18, 80.03, -32.56
CIE _{LCh}	48, 86.402, 337.863
Yxy	16.9373, 0.3774, 0.1853
Android (android.graphics.Color)	4292083883 (0xFFD400AB)
YUV	82.8820, 43.4422, 113.2365
Hunter-Lab	41.1550, 77.6236, -28.7871

Details

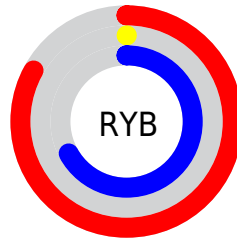
The XYZ color **34.5021, 16.9373, 39.9788** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **23.9449, 47.2479, 9.9587**, and the grayscale version is **8.1065, 8.5286, 9.2877**.

A 20% lighter version of the original color is **59.0195, 34.6348, 76.2476**, and **16.2189, 7.9834, 17.8257** is the 20% darker color. If you saturate the color by 10%, you get **34.5017, 16.9372, 39.9757**, and if you desaturate by 10%, it is **35.1719, 17.6412, 42.1608**.

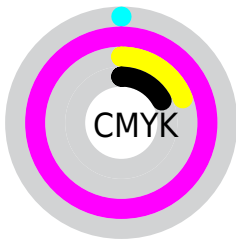
Distribution



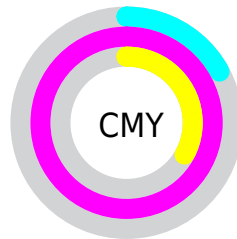
- Red (83%)
- Green (0%)
- Blue (67%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (17%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5021, 16.9373, 39.9788 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 34.5021, 16.9373, 39.9788 by changing the saturation by 10% instead.


 34.5021, 16.9373,
39.9788

 34.5021, 16.9373,
39.9788


313.9118,
234.8108, 361.5836


 23.4443, 10.1898,
27.2084


 66.0528, 38.2179,
76.3680

 15.0444, 5.5250,
17.4959


 87.2765, 53.5199,
100.8238


 8.9371, 2.5585,
10.4230


 112.6195, 72.4421,
130.0118

 4.7569, 0.9058,
5.5711

 142.4471, 95.3689,
164.3505

 2.1387, 0.0000,
2.5215

 177.1249,
122.6848, 204.2585

 0.7101, 0.0000,
0.8515

 217.0180,

 0.0000, 0.0000,

154.7742, 250.1544

0.0000

262.4918,
192.0214, 302.4565

■ 34.5021, 16.9373,
39.9788

■ 34.5021, 16.9373,
39.9788

■ 34.5017, 16.9372,
39.9757

■ 35.1719, 17.6412,
42.1608

■ 36.1522, 18.9469,
44.5065

■ 37.5432, 21.0543,
47.0501

■ 39.3999, 24.0732,
49.8103

■ 41.7687, 28.0961,
52.8030

■ 44.6901, 33.2040,
56.0424

■ 48.2007, 39.4698,
59.5411

■ 52.3337, 46.9600,
63.3107

■ 57.1200, 55.7361,
67.3619

Harmonies

Analogous

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



27.2446, 16.9373, 77.8887



34.5021, 16.9373, 39.9788



36.1398, 16.9373, 13.1406

Triad

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



34.5021, 16.9373, 39.9788



14.1217, 16.9373, 0.0000



6.8851, 16.9373, 59.6931

Complementary

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



34.5021, 16.9373, 39.9788



23.9449, 47.2479, 9.9587

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.



5.3026, 16.9373, 25.0057



34.5021, 16.9373, 39.9788



8.5017, 16.9373, 1.0407

Square

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



34.5021, 16.9373, 39.9788



22.4773, 16.9373, 0.2124



5.7788, 16.9373, 6.4835



11.0573, 16.9373, 94.3737

Rectangle

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



34.5021, 16.9373, 39.9788



33.4542, 16.9373, 4.7237



5.7788, 16.9373, 6.4835



6.1065, 16.9373, 46.8951

Sweetspot

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



34.5027, 16.9382, 39.9791



73.0184, 59.6035, 90.2522



12.7168, 5.1835, 62.6182



15.1214, 11.8478, 18.8237



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.



34.5027, 16.9382, 39.9791



52.3412, 25.7005, 60.3881



28.1698, 14.4050, 6.6306



12.8452, 12.5896, 15.1253



21.3351, 10.4704, 24.8664



1.3139, 0.6423, 1.6421

Inverse Universe

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



34.5027, 16.9382, 39.9791



52.3412, 25.7005, 60.3881



28.6455, 49.1282, 34.7116



12.8452, 12.5896, 15.1253



21.3351, 10.4704, 24.8664



1.3139, 0.6423, 1.6421

Previews

White Background



This preview shows how the XYZ color 34.5021, 16.9373, 39.9788 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 34.5021, 16.9373, 39.9788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

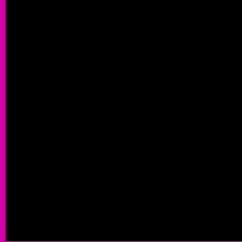
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.5021, 16.9373, 39.9788

Background



This preview shows how black text looks on a background with the XYZ color 34.5021, 16.9373, 39.9788.



This preview shows how white text looks on a background with the XYZ color 34.5021, 16.9373,

39.9788.

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

34.5021, 16.9373, 39.9788

Protanopia

21.3742, 17.8203, 83.9745

Deuteranopia

17.9554, 17.6243, 35.7132



Tritanopia

28.0463, 17.3066, 7.8235

Trichromacy



Original Color

34.5021, 16.9373, 39.9788



Protanomaly

17.4514, 10.9393, 64.8100



Deuteranomaly

20.2387, 13.1962, 36.6024



Tritanomaly

29.2498, 16.0547, 15.4671

Monochromacy



Original Color

34.5021, 16.9373, 39.9788



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 34.5021, 16.9373, 39.9788 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 34.5021, 16.9373, 39.9788 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, 171) }
```


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

```
.border{ border-color:rgb(212, 0, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5021, 16.9373, 39.9788 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, 171) }
```

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

```
.background{ background-color: rgb(212, 0,  
171) }
```

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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