

Converting Colors

XYZ(35.0004, 16.9762, 42.4021)

Have a look what the booklet for
XYZ(35.0004, 16.9762, 42.4021)
contains.

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Color

**XYZ(34.9879, 17.1316,
42.5370)**

Conversions

Conversions Part 1

Format	Color
Hex	D400B0
RGB	212, 0, 176
RGB Percent	83%, 0%, 69%
CMY	0.1686, 0.9999, 0.3098
CMYK	0.00, 1.00, 0.17, 0.17
HSL	310°, 100%, 42%
HSV	310°, 100%, 83%
XYZ	34.9879, 17.1316, 42.5370
YIQ	83.4520, 69.8560, 99.6800

Conversions

Conversions Part 2

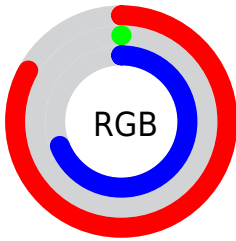
Format	Color
R_{YB}	212, 0, 176
Decimal	13893808
CIE _{Lab}	48.43, 80.65, -35.13
CIE _{LCh}	48, 87.964, 336.463
Yxy	17.1316, 0.3696, 0.1810
Android (android.graphics.Color)	4292083888 (0xFFD400B0)
YUV	83.4520, 45.6262, 112.7366
Hunter-Lab	41.3903, 78.4558, -31.9593

Details

The XYZ color **34.9879, 17.1316, 42.5370** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **23.8630, 47.2152, 9.5274**, and the grayscale version is **8.2176, 8.6456, 9.4150**.

A 20% lighter version of the original color is **59.7198, 34.9149, 79.9356**, and **16.5240, 8.1055, 19.4325** is the 20% darker color. If you saturate the color by 10%, you get **34.9876, 17.1316, 42.5344**, and if you desaturate by 10%, it is **35.6217, 17.8211, 44.5296**.

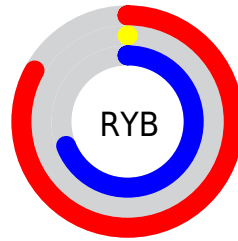
Distribution



Red (83%)

Green (0%)

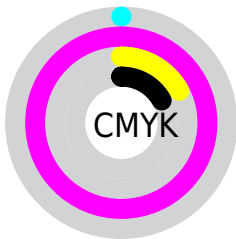
Blue (69%)



Red (83%)

Yellow (0%)

Blue (69%)

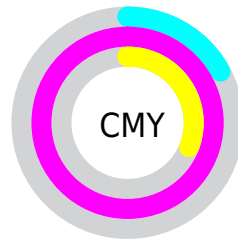


Cyan (0%)

Magenta (100%)

Yellow (17%)

Black (17%)



Cyan (17%)


Magenta (100%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9879, 17.1316, 42.5370 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 34.9879, 17.1316, 42.5370 by changing the saturation by 10% instead.


 34.9879, 17.1316,
42.5370


 34.9879, 17.1316,
42.5370


316.0239,
235.9296, 372.5693

 23.8200, 10.3284,
29.1933


 66.8012, 38.5519,
80.2906

 15.3242, 5.6172,
18.9803


 88.1773, 53.9378,
105.5375


 9.1350, 2.6137,
11.4793


 113.6868, 72.9533,
135.5892

 4.8872, 0.9336,
6.2720

 143.6952, 95.9829,
170.8644

 2.2153, 0.0000,
2.9397

 178.5677,
123.4109, 211.7814

 0.7508, 0.0000,
1.0639

 218.6698,

 0.0000, 0.0000,

155.6218, 258.7589

0.0000

264.3667,
192.9999, 312.2153

■ 34.9879, 17.1316,
42.5370

■ 34.9879, 17.1316,
42.5370

■ 34.9876, 17.1316,
42.5344

■ 35.6217, 17.8211,
44.5296

■ 36.5633, 19.1112,
46.6716

■ 37.9128, 21.2020,
48.9969

■ 39.7253, 24.2031,
51.5242

■ 42.0470, 28.2071,
54.2693

■ 44.9185, 33.2950,
57.2460

■ 48.3762, 39.5396,
60.4668

■ 52.4535, 47.0074,
63.9431

■ 57.1811, 55.7599,
67.6855

Harmonies

Analogous

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



27.3188, 17.1316, 81.8112



34.9879, 17.1316, 42.5370



37.0054, 17.1316, 14.0968

Triad

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



34.9879, 17.1316, 42.5370



14.6028, 17.1316, 0.0000



6.7396, 17.1316, 59.3293

Complementary

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



34.9879, 17.1316, 42.5370



23.8630, 47.2152, 9.5274

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.



5.2394, 17.1316, 24.0993



34.9879, 17.1316, 42.5370



8.7096, 17.1316, 0.8913

Square

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



34.9879, 17.1316, 42.5370



23.2770, 17.1316, 0.1990



5.8178, 17.1316, 5.9630



10.8525, 17.1316, 95.9171

Rectangle

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



34.9879, 17.1316, 42.5370



34.4349, 17.1316, 5.0547



5.8178, 17.1316, 5.9630



5.9876, 17.1316, 46.1894

Sweetspot

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



34.9885, 17.1325, 42.5373



73.2882, 59.7114, 91.6729



12.5895, 5.1179, 62.6123



15.1865, 11.8738, 19.1669



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.



34.9885, 17.1325, 42.5373



53.0847, 25.9979, 64.3035



28.2793, 14.4488, 7.2073



12.8583, 12.5948, 15.1938



21.6319, 10.5891, 26.4293



1.3292, 0.6485, 1.7232

Inverse Universe

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



34.9885, 17.1325, 42.5373



53.0847, 25.9979, 64.3035



28.3775, 49.0210, 33.3003



12.8583, 12.5948, 15.1938



21.6319, 10.5891, 26.4293



1.3292, 0.6485, 1.7232

Previews

White Background



This preview shows how the XYZ color 34.9879, 17.1316, 42.5370 looks on a white background.

Color Contrast Check

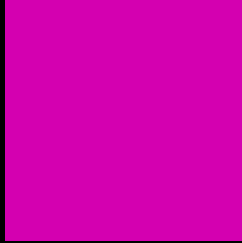
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.9879, 17.1316, 42.5370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

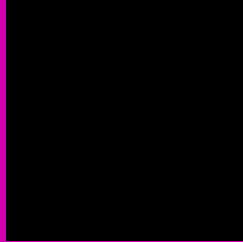
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.9879, 17.1316, 42.5370

Background



This preview shows how black text looks on a background with the XYZ color 34.9879, 17.1316, 42.5370.



This preview shows how white text looks on a background with the XYZ color 34.9879, 17.1316,

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

34.9879, 17.1316, 42.5370

Protanopia

21.6333, 18.1015, 84.7918

Deuteranopia

18.1825, 17.8600, 38.0863



Tritanopia

27.9593, 17.4338, 8.1948

Trichromacy



Original Color

34.9879, 17.1316, 42.5370



Protanomaly

17.9023, 11.2223, 66.8682



Deuteranomaly

20.4254, 13.3376, 39.0340



Tritanomaly

29.1688, 16.0490, 16.3122

Monochromacy



Original Color

34.9879, 17.1316, 42.5370



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.6899, 8.5764, 17.7635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9879, 17.1316, 42.5370 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 34.9879, 17.1316, 42.5370 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, 176) }
```


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

```
.border{ border-color:rgb(212, 0, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9879, 17.1316, 42.5370 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, 176) }
```

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

```
.background{ background-color: rgb(212, 0,  
176) }
```

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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