

Converting Colors

XYZ(35.1379, 16.9318, 55.0678)

Have a look what the booklet for
XYZ(35.1379, 16.9318, 55.0678)
contains.

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Color

**XYZ(35.0949, 16.9146,
54.8412)**

Conversions

Conversions Part 1

Format	Color
Hex	CC00C6
RGB	204, 0, 198
RGB Percent	80%, 0%, 78%
CMY	0.2000, 0.9999, 0.2235
CMYK	0.00, 1.00, 0.03, 0.20
HSL	302°, 100%, 40%
HSV	302°, 100%, 80%
XYZ	35.0949, 16.9146, 54.8412
YIQ	83.5680, 58.0260, 104.8260

Conversions

Conversions Part 2

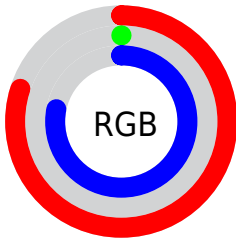
Format	Color
R_{YB}	204, 0, 198
Decimal	13369542
CIE _{Lab}	48.15, 82.19, -48.52
CIE _{LCh}	48, 95.441, 329.444
Yxy	16.9146, 0.3284, 0.1583
Android (android.graphics.Color)	4291559622 (0xFFCC00C6)
YUV	83.5680, 56.4150, 105.6189
Hunter-Lab	41.1274, 80.3452, -50.2710

Details

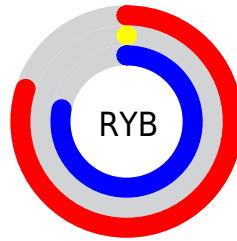
The XYZ color **35.0949, 16.9146, 54.8412** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **21.6266, 43.1997, 7.3717**, and the grayscale version is **8.2213, 8.6495, 9.4193**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **16.6350, 8.0029, 26.6546** is the 20% darker color. If you saturate the color by 10%, you get **35.0952, 16.9147, 54.8409**, and if you desaturate by 10%, it is **35.4224, 17.4581, 55.2927**.

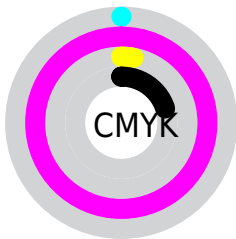
Distribution



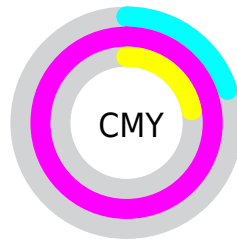
- Red (80%)
- Green (0%)
- Blue (78%)



- Red (80%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0949, 16.9146, 54.8412 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 35.0949, 16.9146, 54.8412 by changing the saturation by 10% instead.

 35.0949, 16.9146,
54.8412


 35.0949, 16.9146,
54.8412


316.4877,
234.6798, 422.5747


 23.9028, 10.1736,
38.8769


 66.9658, 38.1789,
98.7771


 15.3859, 5.5142,
26.3568


 88.3754, 53.4710,
127.5857

 9.1787, 2.5520,
16.8626


 113.9215, 72.3822,
161.5128

 4.9160, 0.9026,
9.9757

 143.9695, 95.2971,
200.9769

 2.2323, 0.0000,
5.2774

 178.8848,
122.5998, 246.3966

 0.7597, 0.0000,
2.3494

 219.0327,

 0.0000, 0.0000,

154.6749, 298.1905

0.7587

264.7785,
191.9068, 356.7770

■ 0.0000, 0.0000,
0.0000

■ 35.0949, 16.9146,
54.8412

■ 35.0949, 16.9146,
54.8412

■ 35.0952, 16.9147,
54.8409

■ 35.4224, 17.4581,
55.2927

■ 36.0213, 18.5445,
55.8360

■ 36.9852, 20.3604,
56.5022

■ 38.3639, 23.0053,
57.3081

■ 40.1992, 26.5631,
58.2676

■ 42.5281, 31.1077,
59.3929

■ 45.3836, 36.7051,
60.6952

■ 48.7961, 43.4159,
62.1844

■ 52.7933, 51.2959,
63.8700

Harmonies

Analogous

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



25.7269, 16.9146, 98.9464



35.0949, 16.9146, 54.8412



39.1291, 16.9146, 18.8836

Triad

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



35.0949, 16.9146, 54.8412



16.2389, 16.9146, 0.0000



5.5008, 16.9146, 53.1995

Complementary

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



35.0949, 16.9146, 54.8412



21.6266, 43.1997, 7.3717

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.



4.5149, 16.9146, 17.9584



35.0949, 16.9146, 54.8412



9.2035, 16.9146, 0.0000

Square

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



35.0949, 16.9146, 54.8412



26.1116, 16.9146, 0.0583



5.5802, 16.9146, 3.2574



9.0120, 16.9146, 97.5342

Rectangle

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



35.0949, 16.9146, 54.8412



37.4376, 16.9146, 6.6688



5.5802, 16.9146, 3.2574



4.9341, 16.9146, 39.2828

Sweetspot

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



35.0956, 16.9154, 54.8415



74.9498, 60.3760, 100.4227



10.9425, 4.3824, 57.3967



15.5898, 12.0352, 21.2907



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.



35.0956, 16.9154, 54.8415



58.1054, 28.0062, 90.7422



27.1363, 13.7317, 12.9284



11.6727, 11.3978, 14.0773



22.0954, 10.6487, 34.5506



1.1445, 0.5512, 1.8066

Inverse Universe

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



35.0956, 16.9154, 54.8415



58.1054, 28.0062, 90.7422



24.1647, 44.2150, 20.7373



11.6727, 11.3978, 14.0773



22.0954, 10.6487, 34.5506



1.1445, 0.5512, 1.8066

Previews

White Background



This preview shows how the XYZ color 35.0949, 16.9146, 54.8412 looks on a white background.

Color Contrast Check

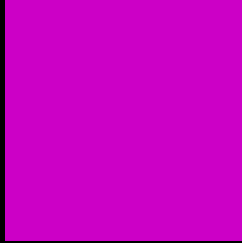
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.0949, 16.9146, 54.8412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

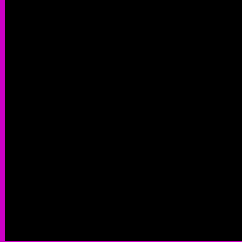
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 35.0949, 16.9146, 54.8412

Background



This preview shows how black text looks on a background with the XYZ color 35.0949, 16.9146, 54.8412.



This preview shows how white text looks on a background with the XYZ color 35.0949, 16.9146,

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

35.0949, 16.9146, 54.8412

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

18.0888, 17.5725, 48.8928



Tritanopia

26.0240, 17.2798, 10.1473

Trichromacy



Original Color

35.0949, 16.9146, 54.8412



Protanomaly

18.3966, 11.2900, 71.0216



Deuteranomaly

19.9114, 12.8262, 50.1415



Tritanomaly

27.6072, 15.4976, 20.9383

Monochromacy



Original Color

35.0949, 16.9146, 54.8412



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.8769, 8.6161, 20.3337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0949, 16.9146, 54.8412 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(204, 0, 198)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 198)  
}
```

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(204, 0, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 198) }
```

Border

The CSS property to change the border of an element to XYZ 35.0949, 16.9146, 54.8412 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(204, 0, 198) }
```


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

```
.border{ border-color:rgb(204, 0, 198) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0949, 16.9146, 54.8412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 198) }
```

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

```
.background{ background-color: rgb(204, 0,  
198) }
```

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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