

Converting Colors

XYZ(34.5656, 16.4883, 61.7473)

Have a look what the booklet for
XYZ(34.5656, 16.4883, 61.7473)
contains.

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Color

**XYZ(34.5346, 16.4738,
61.6812)**

Conversions

Conversions Part 1

Format	Color
Hex	C500D1
RGB	197, 0, 209
RGB Percent	77%, 0%, 82%
CMY	0.2274, 0.9999, 0.1804
CMYK	0.06, 1.00, 0.00, 0.18
HSL	297°, 100%, 41%
HSV	297°, 100%, 82%
XYZ	34.5346, 16.4738, 61.6812
YIQ	82.7290, 50.3230, 106.7630

Conversions

Conversions Part 2

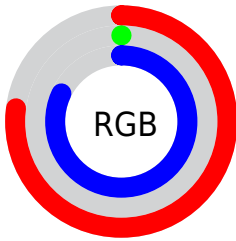
Format	Color
RYB	197, 0, 209
Decimal	12910801
CIELab	47.59, 82.69, -55.85
CIElCh	48, 99.784, 325.966
Yxy	16.4738, 0.3065, 0.1462
Android (android.graphics.Color)	4291100881 (0xFFC500D1)
YUV	82.7290, 62.2516, 100.2157
Hunter-Lab	40.5879, 80.8494, -61.6911

Details

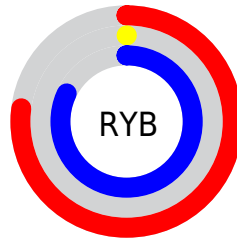
The XYZ color **34.5346, 16.4738, 61.6812** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **22.9526, 45.6795, 7.6080**, and the grayscale version is **8.0410, 8.4598, 9.2127**.

A 20% lighter version of the original color is **63.1171, 36.1343, 98.2557**, and **16.3140, 7.7364, 31.2053** is the 20% darker color. If you saturate the color by 10%, you get **34.5347, 16.4738, 61.6814**, and if you desaturate by 10%, it is **35.1173, 17.1702, 61.7851**.

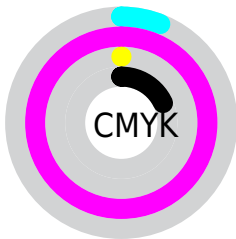
Distribution



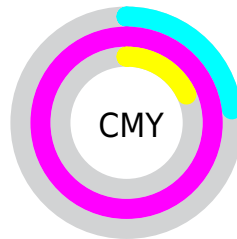
- Red (77%)
- Green (0%)
- Blue (82%)



- Red (77%)
- Yellow (0%)
- Blue (82%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)





- Cyan (23%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5346, 16.4738, 61.6812 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 34.5346, 16.4738, 61.6812 by changing the saturation by 10% instead.


 34.5346, 16.4738,
61.6812


 34.5346, 16.4738,
61.6812


314.0534,
232.1215, 448.7428


 23.4694, 9.8600,
44.3410


 66.1029, 37.4188,
108.8318

 15.0631, 5.3063,
30.5995

 87.3368, 52.5189,
139.4792


 8.9503, 2.4281,
20.0382

 112.6910, 71.2164,
175.3996

 4.7656, 0.8403,
12.2385

 142.5308, 93.8960,
217.0113

 2.1437, 0.0000,
6.7818

 177.2216,
120.9419, 264.7329

 0.7128, 0.0000,
3.2496

 217.1287,

 0.0000, 0.0000,

152.7385, 318.9830

1.2235

262.6175,
189.6702, 380.1801

■ 0.0000, 0.0000,
0.0000

■ 34.5346, 16.4738,
61.6812

■ 34.5346, 16.4738,
61.6812

■ 34.5347, 16.4738,
61.6814

■ 35.1173, 17.1702,
61.7851

■ 35.9903, 18.4441,
61.9850

■ 37.2514, 20.4904,
62.3135

■ 38.9534, 23.4149,
62.7883

■ 41.1411, 27.3069,
63.4242

■ 43.8534, 32.2444,
64.2343

■ 47.1255, 38.2979,
65.2303

■ 50.9896, 45.5315,
66.4229

■ 55.4753, 54.0045,
67.8219

Harmonies

Analogous

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



24.4020, 16.4738, 107.8240



34.5346, 16.4738, 61.6812



39.6607, 16.4738, 21.6079

Triad

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



34.5346, 16.4738, 61.6812



16.8920, 16.4738, 0.0000



4.7665, 16.4738, 49.0600

Complementary

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



34.5346, 16.4738, 61.6812



22.9526, 45.6795, 7.6080

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.



4.0443, 16.4738, 14.7077



34.5346, 16.4738, 61.6812



9.3006, 16.4738, 0.0000

Square

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



34.5346, 16.4738, 61.6812



27.3115, 16.4738, 0.0000



5.3318, 16.4738, 2.1183



7.9045, 16.4738, 96.8298

Rectangle

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



34.5346, 16.4738, 61.6812



38.5247, 16.4738, 7.5569



5.3318, 16.4738, 2.1183



4.2999, 16.4738, 35.0624

Sweetspot

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



34.5353, 16.4745, 61.6815



73.7125, 59.6966, 102.2453



11.6654, 4.9165, 60.6560



15.2883, 11.8696, 21.7352



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.



34.5353, 16.4745, 61.6815



54.1071, 25.8081, 96.7374



29.5914, 14.8745, 18.5897



12.2410, 11.9731, 14.9095



21.3220, 10.1722, 38.0321



1.2131, 0.5795, 2.1275

Inverse Universe

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



26.3614, 13.5825, 1.5809



41.3237, 21.2935, 2.3707



24.6712, 46.3494, 17.4490



11.8359, 11.8191, 12.4115



16.2653, 8.3790, 1.0375



0.9193, 0.4724, 0.1100

Previews

White Background



This preview shows how the XYZ color 34.5346, 16.4738, 61.6812 looks on a white background.

Color Contrast Check

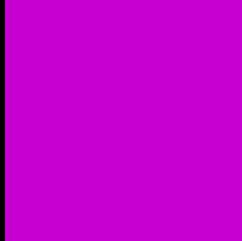
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5346, 16.4738, 61.6812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

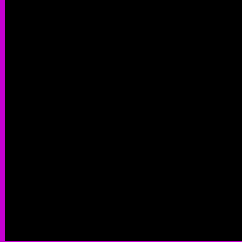
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.5346, 16.4738, 61.6812

Background



This preview shows how black text looks on a background with the XYZ color 34.5346, 16.4738, 61.6812.



This preview shows how white text looks on a background with the XYZ color 34.5346, 16.4738,

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

34.5346, 16.4738, 61.6812

Protanopia

20.5357, 17.3094, 80.1006

Deuteranopia

17.6774, 17.2332, 54.6192



Tritanopia

24.3072, 16.8064, 11.1954

Trichromacy



Original Color

34.5346, 16.4738, 61.6812



Protanomaly

18.5163, 11.3204, 72.4433



Deuteranomaly

18.8171, 12.1179, 56.6056



Tritanomaly

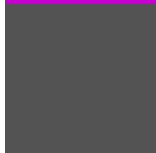
26.1319, 14.8133, 23.3117

Monochromacy



Original Color

34.5346, 16.4738, 61.6812



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.5477, 8.4163, 21.6793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5346, 16.4738, 61.6812 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(197, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(197, 0, 209)  
}
```

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(197, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 209) }
```

Border

The CSS property to change the border of an element to XYZ 34.5346, 16.4738, 61.6812 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(197, 0, 209) }
```


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

```
.border{ border-color:rgb(197, 0, 209) }
```

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

Here you see how a box with a 4 pixel rgb(197, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(197, 0,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5346, 16.4738, 61.6812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 209) }
```

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

```
.background{ background-color: rgb(197, 0,  
209) }
```

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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