

Converting Colors

XYZ(34.3435, 16.3033, 64.9258)

Have a look what the booklet for
XYZ(34.3435, 16.3033, 64.9258)
contains.

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Color

**XYZ(34.3857, 16.3244,
64.9569)**

Conversions

Conversions Part 1

Format	Color
Hex	C200D6
RGB	194, 0, 214
RGB Percent	76%, 0%, 84%
CMY	0.2392, 0.9999, 0.1608
CMYK	0.09, 1.00, 0.00, 0.16
HSL	294°, 100%, 42%
HSV	294°, 100%, 84%
XYZ	34.3857, 16.3244, 64.9569
YIQ	82.4020, 46.9300, 107.6820

Conversions

Conversions Part 2

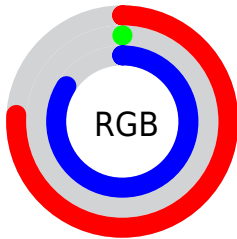
Format	Color
RYB	194, 0, 214
Decimal	12714198
CIELab	47.40, 83.01, -59.06
CIELCh	47, 101.875, 324.569
Yxy	16.3244, 0.2973, 0.1411
Android (android.graphics.Color)	4290904278 (0xFFC200D6)
YUV	82.4020, 64.8778, 97.8714
Hunter-Lab	40.4035, 81.2078, -67.0385

Details

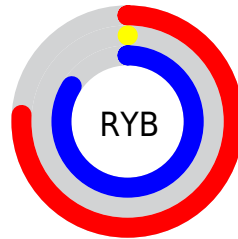
The XYZ color **34.3857, 16.3244, 64.9569** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.3357, 48.2423, 8.0298**, and the grayscale version is **7.9708, 8.3859, 9.1323**.

A 20% lighter version of the original color is **63.1171, 36.1343, 98.2557**, and **16.1632, 7.6195, 32.9666** is the 20% darker color. If you saturate the color by 10%, you get **34.3856, 16.3243, 64.9571**, and if you desaturate by 10%, it is **35.1790, 17.1431, 65.0734**.

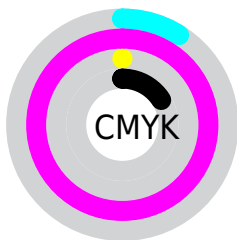
Distribution



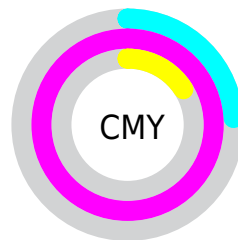
- Red (76%)
- Green (0%)
- Blue (84%)



- Red (76%)
- Yellow (0%)
- Blue (84%)



- Cyan (9%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)





- Cyan (24%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3857, 16.3244, 64.9569 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 34.3857, 16.3244, 64.9569 by changing the saturation by 10% instead.

 34.3857, 16.3244,
64.9569


 34.3857, 16.3244,
64.9569


313.4042,
231.2484, 460.9390

 23.3544, 9.7540,
46.9750


 65.8733, 37.1605,
113.6006


 14.9775, 5.2362,
32.6617


 87.0603, 52.1949,
145.0994

 8.8898, 2.3865,
21.5984


 112.3632, 70.8195,
181.9410

 4.7259, 0.8189,
13.3666

 142.1475, 93.4186,
224.5439

 2.1205, 0.0000,
7.5478

 176.7783,
120.3767, 273.3266

 0.7003, 0.0000,
3.7234

 216.6211,

 0.0000, 0.0000,

152.0781, 328.7077

1.4749

262.0413,
188.9072, 391.1056

■ 0.0000, 0.0000,
0.1991

■ 0.0000, 0.0000,
0.0000

■ 34.3857, 16.3244,
64.9569

■ 34.3857, 16.3244,
64.9569

■ 34.3856, 16.3243,
64.9571

■ 35.1790, 17.1431,
65.0734

■ 36.2843, 18.5760,
65.2917

■ 37.8036, 20.8267,
65.6460

■ 39.7931, 24.0075,
66.1551

■ 42.3002, 28.2131,
66.8347

■ 45.3664, 33.5263,
67.6987

■ 49.0289, 40.0218,
68.7594

■ 53.3219, 47.7675,
70.0282

■ 58.2766, 56.8263,
71.5156

Harmonies

Analogous

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



23.9074, 16.3244, 112.1108



34.3857, 16.3244, 64.9569



39.9960, 16.3244, 22.9055

Triad

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



34.3857, 16.3244, 64.9569



17.2170, 16.3244, 0.0000



4.4799, 16.3244, 47.4807

Complementary

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



34.3857, 16.3244, 64.9569



24.3357, 48.2423, 8.0298

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.



3.8588, 16.3244, 13.4734



34.3857, 16.3244, 64.9569



9.3612, 16.3244, 0.0000

Square

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



34.3857, 16.3244, 64.9569



27.9069, 16.3244, 0.0000



5.2364, 16.3244, 1.7266



7.4733, 16.3244, 96.8073

Rectangle

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



34.3857, 16.3244, 64.9569



39.1002, 16.3244, 7.9749



5.2364, 16.3244, 1.7266



4.0518, 16.3244, 33.4358

Sweetspot

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



34.3864, 16.3251, 64.9572



72.7283, 59.1892, 102.1992



12.4139, 5.4072, 64.0079



15.0491, 11.7463, 21.7240



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.



34.3864, 16.3251, 64.9572



51.0590, 24.2367, 96.5948



31.6552, 15.8660, 21.9578



12.8333, 12.5710, 15.6876



20.8313, 9.8914, 39.2645



1.2905, 0.6142, 2.3698

Inverse Universe

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



27.8584, 14.3473, 1.9639



41.4031, 21.3253, 2.7891



25.7112, 48.7591, 16.7792



12.4699, 12.4395, 13.1489



16.8552, 8.6784, 1.2757



1.0332, 0.5301, 0.1642

Previews

White Background



This preview shows how the XYZ color 34.3857, 16.3244, 64.9569 looks on a white background.

Color Contrast Check

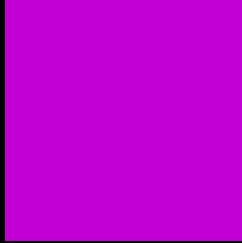
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3857, 16.3244, 64.9569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

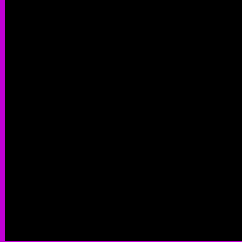
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.3857, 16.3244, 64.9569

Background



This preview shows how black text looks on a background with the XYZ color 34.3857, 16.3244, 64.9569.



This preview shows how white text looks on a background with the XYZ color 34.3857, 16.3244,

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

34.3857, 16.3244, 64.9569

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

17.5873, 17.1199, 57.6359



Tritanopia

23.6062, 16.6625, 11.6449

Trichromacy



Original Color

34.3857, 16.3244, 64.9569



Protanomaly

18.5162, 11.2109, 73.1395



Deuteranomaly

18.3087, 11.7867, 59.7026



Tritanomaly

25.4134, 14.4858, 24.3783

Monochromacy



Original Color

34.3857, 16.3244, 64.9569



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.4256, 8.2786, 22.0094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3857, 16.3244, 64.9569 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(194, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(194, 0, 214)  
}
```

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(194, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 34.3857, 16.3244, 64.9569 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(194, 0, 214) }
```


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

```
.border{ border-color:rgb(194, 0, 214) }
```

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

Here you see how a box with a 4 pixel rgb(194, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(194, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3857, 16.3244, 64.9569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 0, 214) }
```

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

```
.background{ background-color: rgb(194, 0,  
214) }
```

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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