

Converting Colors

XYZ(34.3415, 16.6132, 50.8741)

Have a look what the booklet for
XYZ(34.3415, 16.6132, 50.8741)
contains.

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Color

**XYZ(34.3058, 16.5990,
50.6860)**

Conversions

Conversions Part 1

Format	Color
Hex	CC00BF
RGB	204, 0, 191
RGB Percent	80%, 0%, 75%
CMY	0.2000, 0.9999, 0.2510
CMYK	0.00, 1.00, 0.06, 0.20
HSL	304°, 100%, 40%
HSV	304°, 100%, 80%
XYZ	34.3058, 16.5990, 50.6860
YIQ	82.7700, 60.2730, 102.6490

Conversions

Conversions Part 2

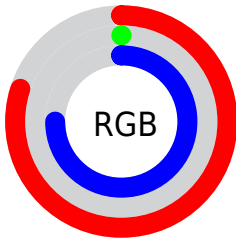
Format	Color
RYB	204, 0, 191
Decimal	13369535
CIELab	47.75, 81.21, -45.09
CIELCh	48, 92.886, 330.961
Yxy	16.5990, 0.3377, 0.1634
Android (android.graphics.Color)	4291559615 (0xFFCC00BF)
YUV	82.7700, 53.3574, 106.3187
Hunter-Lab	40.7419, 79.0037, -45.2420

Details

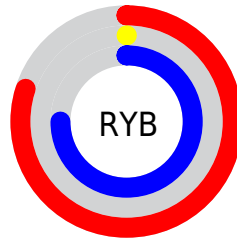
The XYZ color **34.3058, 16.5990, 50.6860** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed rose. A complement of this color would be **21.6664, 43.2155, 7.5814**, and the grayscale version is **8.0660, 8.4861, 9.2413**.

A 20% lighter version of the original color is **62.0104, 35.6916, 92.4278**, and **16.1924, 7.8259, 24.3240** is the 20% darker color. If you saturate the color by 10%, you get **34.3059, 16.5990, 50.6850**, and if you desaturate by 10%, it is **34.7077, 17.1723, 51.5292**.

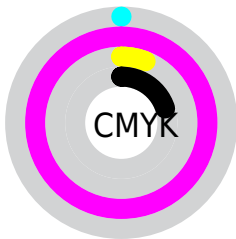
Distribution



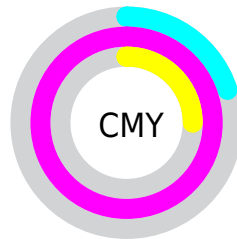
- Red (80%)
- Green (0%)
- Blue (75%)



- Red (80%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3058, 16.5990, 50.6860 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 34.3058, 16.5990, 50.6860 by changing the saturation by 10% instead.


 34.3058, 16.5990,
50.6860


 34.3058, 16.5990,
50.6860

313.0554,
232.8508, 406.1543


 23.2926, 9.9490,
35.5838


 65.7501, 37.6350,
92.5972


 14.9316, 5.3652,
23.8258


 86.9119, 52.7898,
120.2433


 8.8574, 2.4631,
14.9934


 112.1873, 71.5484,
152.9077

 4.7047, 0.8581,
8.6682

 141.9416, 94.2950,
191.0090

 2.1080, 0.0000,
4.4316

 176.5402,
121.4142, 234.9658

 0.6936, 0.0000,
1.8650

 216.3485,

 0.0000, 0.0000,

153.2903, 285.1966

0.4703

261.7318,
190.3077, 342.1199

■ 0.0000, 0.0000,
0.0000

■ 34.3058, 16.5990,
50.6860

■ 34.3058, 16.5990,
50.6860

■ 34.3059, 16.5990,
50.6850

■ 34.7077, 17.1723,
51.5292

■ 35.3821, 18.2890,
52.4695

■ 36.4224, 20.1355,
53.5380

■ 37.8785, 22.8115,
54.7515

■ 39.7923, 26.4010,
56.1238

■ 42.2007, 30.9775,
57.6674

■ 45.1368, 36.6072,
59.3932

■ 48.6308, 43.3508,
61.3113

■ 52.7106, 51.2639,
63.4311

Harmonies

Analogous

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



25.5219, 16.5990, 92.7164



34.3058, 16.5990, 50.6860



37.7895, 16.5990, 17.3160

Triad

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



34.3058, 16.5990, 50.6860



15.5101, 16.5990, 0.0000



5.6499, 16.5990, 53.3790

Complementary

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



34.3058, 16.5990, 50.6860



21.6664, 43.2155, 7.5814

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.



4.5775, 16.5990, 18.8528



34.3058, 16.5990, 50.6860



8.8944, 16.5990, 0.1872

Square

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



34.3058, 16.5990, 50.6860



24.8869, 16.5990, 0.0783



5.5157, 16.5990, 3.7081



9.2154, 16.5990, 95.0208

Rectangle

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



34.3058, 16.5990, 50.6860



35.9295, 16.5990, 6.1381



5.5157, 16.5990, 3.7081



5.0563, 16.5990, 39.9193

Sweetspot

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



34.3064, 16.5998, 50.6863



74.5348, 60.2100, 98.2378



11.0276, 4.4264, 57.4005



15.4888, 11.9948, 20.7587



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.



34.3064, 16.5998, 50.6863



56.7826, 27.4770, 83.7761



26.8263, 13.6077, 11.2963



11.6555, 11.3909, 13.9863



21.6055, 10.4528, 31.9709



1.1242, 0.5431, 1.6996

Inverse Universe

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



34.3064, 16.5998, 50.6863



56.7826, 27.4770, 83.7761



24.5301, 44.3610, 22.6618



11.6555, 11.3909, 13.9863



21.6055, 10.4528, 31.9709



1.1242, 0.5431, 1.6996

Previews

White Background



This preview shows how the XYZ color 34.3058, 16.5990, 50.6860 looks on a white background.

Color Contrast Check

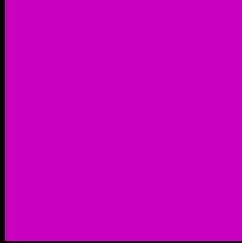
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3058, 16.5990, 50.6860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

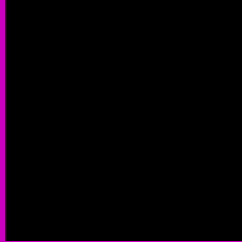
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.3058, 16.5990, 50.6860

Background



This preview shows how black text looks on a background with the XYZ color 34.3058, 16.5990, 50.6860.



This preview shows how white text looks on a background with the XYZ color 34.3058, 16.5990,

50.6860.

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

34.3058, 16.5990, 50.6860

Protanopia

20.8248, 17.4250, 81.6227

Deuteranopia

17.6608, 17.2655, 45.0496



Tritanopia

25.9564, 16.9488, 9.4928

Trichromacy



Original Color

34.3058, 16.5990, 50.6860



Protanomaly

17.9955, 11.1296, 68.9099



Deuteranomaly

19.5340, 12.6196, 46.2060



Tritanomaly

27.4731, 15.3403, 19.2823

Monochromacy



Original Color

34.3058, 16.5990, 50.6860



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.5384, 8.4634, 19.3324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3058, 16.5990, 50.6860 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 34.3058, 16.5990, 50.6860 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, 191) }
```


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

```
.border{ border-color:rgb(204, 0, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3058, 16.5990, 50.6860 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, 191) }
```

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

```
.background{ background-color: rgb(204, 0,  
191) }
```

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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