

Converting Colors

XYZ(34.1680, 16.4939, 54.8301)

Have a look what the booklet for
XYZ(34.1680, 16.4939, 54.8301)
contains.

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Color

**XYZ(34.0559, 16.4434,
54.8050)**

Conversions

Conversions Part 1

Format	Color
Hex	C804C6
RGB	200, 4, 198
RGB Percent	78%, 2%, 78%
CMY	0.2157, 0.9842, 0.2235
CMYK	0.00, 0.98, 0.01, 0.22
HSL	301°, 96%, 40%
HSV	301°, 98%, 78%
XYZ	34.0559, 16.4434, 54.8050
YIQ	84.7200, 54.5420, 101.8860

Conversions

Conversions Part 2

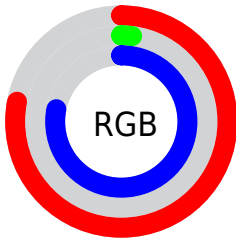
Format	Color
RYB	200, 4, 198
Decimal	13108422
CIELab	47.55, 81.20, -49.52
CIElCh	48, 95.113, 328.623
Yxy	16.4434, 0.3234, 0.1562
Android (android.graphics.Color)	4291298502 (0xFFC804C6)
YUV	84.7200, 55.8470, 101.1006
Hunter-Lab	40.5505, 78.9481, -51.7466

Details

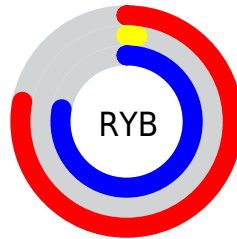
The XYZ color **34.0559, 16.4434, 54.8050** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **20.7380, 41.3484, 7.0611**, and the grayscale version is **8.4588, 8.8993, 9.6914**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **15.9424, 7.6459, 26.6221** is the 20% darker color. If you saturate the color by 10%, you get **34.0081, 16.3549, 54.7658**, and if you desaturate by 10%, it is **34.3636, 17.0205, 55.0240**.

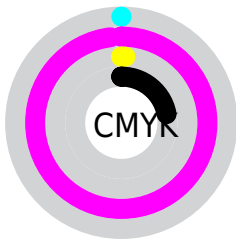
Distribution



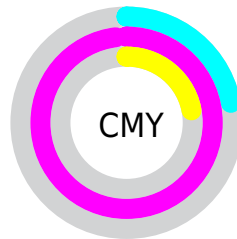
- Red (78%)
- Green (2%)
- Blue (78%)



- Red (78%)
- Yellow (2%)
- Blue (78%)



- Cyan (0%)
- Magenta (98%)
- Yellow (1%)
- Black (22%)





- Cyan (22%)
- Magenta (98%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0559, 16.4434, 54.8050 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 34.0559, 16.4434, 54.8050 by changing the saturation by 10% instead.

 34.0559, 16.4434,
54.8050


 34.0559, 16.4434,
54.8050


311.9628,
231.9441, 422.4334

 23.0996, 9.8385,
38.8481


 65.3643, 37.3663,
98.7235


 14.7882, 5.2920,
26.3346


 86.4472, 52.4530,
127.5221


 8.7562, 2.4196,
16.8461


 111.6362, 71.1358,
161.4384

 4.6383, 0.8359,
9.9641

 141.2969, 93.7990,
200.8909

 2.0692, 0.0000,
5.2698

 175.7946,
120.8270, 246.2980

 0.6724, 0.0000,
2.3449

 215.4945,

 0.0000, 0.0000,

152.6043, 298.0785

0.7562

260.7621,
189.5152, 356.6508

■ 0.0000, 0.0000,
0.0000

■ 34.0559, 16.4434,
54.8050

■ 34.0559, 16.4434,
54.8050

■ 34.0081, 16.3549,
54.7658

■ 34.3636, 17.0205,
55.0240

■ 34.9617, 18.1789,
55.3398

■ 35.9186, 20.0548,
55.7754

■ 37.2797, 22.7392,
56.3459

■ 39.0840, 26.3099,
57.0642

■ 41.3658, 30.8354,
57.9419

■ 44.1558, 36.3775,
58.9892

■ 47.4826, 42.9930,
60.2155

■ 51.3722, 50.7341,
61.6296

Harmonies

Analogous

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



24.7971, 16.4434, 97.9370



34.0559, 16.4434, 54.8050



38.2077, 16.4434, 19.0479

Triad

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



34.0559, 16.4434, 54.8050



16.0234, 16.4434, 0.0000



5.2515, 16.4434, 50.8152

Complementary

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



34.0559, 16.4434, 54.8050



20.7380, 41.3484, 7.0611

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.



4.3494, 16.4434, 16.8070



34.0559, 16.4434, 54.8050



9.0553, 16.4434, 0.0000

Square

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



34.0559, 16.4434, 54.8050



25.7302, 16.4434, 0.0545



5.4428, 16.4434, 2.9470



8.5926, 16.4434, 94.5001

Rectangle

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



34.0559, 16.4434, 54.8050



36.6898, 16.4434, 6.7607



5.4428, 16.4434, 2.9470



4.7208, 16.4434, 37.3024

Sweetspot

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



34.0566, 16.4442, 54.8053



75.7027, 61.4995, 101.8523



10.5196, 4.2836, 54.9168



15.7444, 12.2514, 21.6288



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.



34.0566, 16.4442, 54.8053



58.8736, 28.3134, 94.7870



26.2624, 13.3265, 13.7619



11.0783, 10.8147, 13.3955



21.6254, 10.3997, 34.8330



1.0255, 0.4930, 1.6575

Inverse Universe

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



34.0566, 16.4442, 54.8053



58.8736, 28.3134, 94.7870



23.1039, 42.2948, 19.5198



11.0783, 10.8147, 13.3955



21.6254, 10.3997, 34.8330



1.0255, 0.4930, 1.6575

Previews

White Background



This preview shows how the XYZ color 34.0559, 16.4434, 54.8050 looks on a white background.

Color Contrast Check

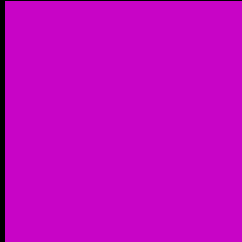
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0559, 16.4434, 54.8050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

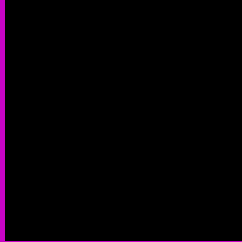
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.0559, 16.4434, 54.8050

Background



This preview shows how black text looks on a background with the XYZ color 34.0559, 16.4434, 54.8050.



This preview shows how white text looks on a background with the XYZ color 34.0559, 16.4434,

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

34.0559, 16.4434, 54.8050

Protanopia

20.4272, 17.0924, 80.0644

Deuteranopia

17.5922, 17.1462, 48.8367



Tritanopia

25.0248, 16.7647, 10.1006

Trichromacy



Original Color

34.0559, 16.4434, 54.8050



Protanomaly

18.0520, 11.1434, 69.6061



Deuteranomaly

19.2816, 12.6014, 50.1313



Tritanomaly

26.6237, 15.0548, 20.9047

Monochromacy



Original Color

34.0559, 16.4434, 54.8050



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

13.9325, 8.8467, 20.7119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0559, 16.4434, 54.8050 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(200, 4, 198)` looks like.

```
.text, #text, p{  
    color:rgb(200, 4, 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(200, 4, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 4, 198) }
```

Border

The CSS property to change the border of an element to XYZ 34.0559, 16.4434, 54.8050 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(200, 4, 198) }
```


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

```
.border{ border-color:rgb(200, 4, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 4, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 4, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 4, 198);  
box-shadow:4px 4px 4px 4px rgb(200, 4,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0559, 16.4434, 54.8050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 4, 198) }
```

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

```
.background{ background-color: rgb(200, 4,  
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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