

Converting Colors

XYZ(33.3701, 15.9438, 58.4454)

Have a look what the booklet for
XYZ(33.3701, 15.9438, 58.4454)
contains.

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Color

**XYZ(33.4048, 15.9617,
58.4470)**

Conversions

Conversions Part 1

Format	Color
Hex	C300CC
RGB	195, 0, 204
RGB Percent	76%, 0%, 80%
CMY	0.2353, 0.9999, 0.2000
CMYK	0.04, 1.00, 0.00, 0.20
HSL	297°, 100%, 40%
HSV	297°, 100%, 80%
XYZ	33.4048, 15.9617, 58.4470
YIQ	81.5610, 50.7360, 104.7840

Conversions

Conversions Part 2

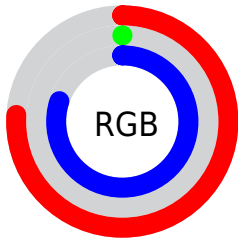
Format	Color
R_{YB}	195, 0, 204
Decimal	12779724
CIE Lab	46.92, 81.63, -54.05
CIE LCh	47, 97.901, 326.489
Yxy	15.9617, 0.3098, 0.1480
Android (android.graphics.Color)	4290969804 (0xFFC300CC)
YUV	81.5610, 60.3624, 99.4860
Hunter-Lab	39.9521, 79.3315, -58.7705

Details

The XYZ color **33.4048, 15.9617, 58.4470** 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 **21.7059, 43.2441, 7.2035**, and the grayscale version is **7.8115, 8.2183, 8.9498**.

A 20% lighter version of the original color is **63.0311, 35.9622, 98.2270**, and **15.5782, 7.4042, 29.0419** is the 20% darker color. If you saturate the color by 10%, you get **33.4050, 15.9619, 58.4472**, and if you desaturate by 10%, it is **33.8962, 16.5975, 58.5440**.

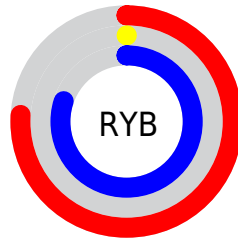
Distribution



Red (76%)

Green (0%)

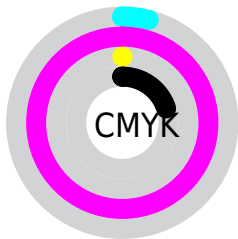
Blue (80%)



Red (76%)

Yellow (0%)

Blue (80%)

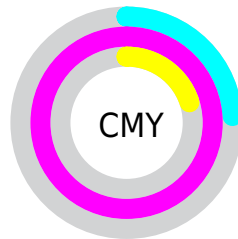


Cyan (4%)

Magenta (100%)

Yellow (0%)

Black (20%)



Cyan (24%)


Magenta (100%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4048, 15.9617, 58.4470 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 33.4048, 15.9617, 58.4470 by changing the saturation by 10% instead.


 33.4048, 15.9617,
58.4470


 33.4048, 15.9617,
58.4470

309.1027,
229.1156, 436.4942

 22.5974, 9.4971,
41.7510


 64.3575, 36.5317,
104.0947


 14.4156, 5.0668,
28.5823


 85.2335, 51.4058,
133.8835

 8.4939, 2.2865,
18.5222


 110.1964, 69.8520,
168.8737

 4.4670, 0.7666,
11.1522

 139.6117, 92.2544,
209.4838

 1.9696, 0.0000,
6.0539

 173.8446,
118.9976, 256.1324

 0.6168, 0.0000,
2.8085

 213.2605,

 0.0000, 0.0000,

150.4659, 309.2379

0.9977

258.2247,
187.0438, 369.2190

■ 0.0000, 0.0000,
0.0000

■ 33.4048, 15.9617,
58.4470

■ 33.4048, 15.9617,
58.4470

■ 33.4050, 15.9619,
58.4472

■ 33.8962, 16.5975,
58.5440

■ 34.6599, 17.7766,
58.7314

■ 35.7897, 19.6859,
59.0404

■ 37.3354, 22.4247,
59.4875

■ 39.3389, 26.0771,
60.0869

■ 41.8371, 30.7168,
60.8508

■ 44.8631, 36.4098,
61.7902

■ 48.4470, 43.2169,
62.9152

■ 52.6169, 51.1937,
64.2351

Harmonies

Analogous

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



23.7416, 15.9617, 102.6584



33.4048, 15.9617, 58.4470



38.1860, 15.9617, 20.4234

Triad

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



33.4048, 15.9617, 58.4470



16.1997, 15.9617, 0.0000



4.7060, 15.9617, 47.9443

Complementary

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



33.4048, 15.9617, 58.4470



21.7059, 43.2441, 7.2035

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.



3.9718, 15.9617, 14.6543



33.4048, 15.9617, 58.4470



8.9601, 15.9617, 0.0000

Square

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



33.4048, 15.9617, 58.4470



26.1689, 15.9617, 0.0000



5.1823, 15.9617, 2.1958



7.7884, 15.9617, 93.5272

Rectangle

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



33.4048, 15.9617, 58.4470



37.0053, 15.9617, 7.1539



5.1823, 15.9617, 2.1958



4.2415, 15.9617, 34.4458

Sweetspot

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



33.4055, 15.9624, 58.4473



74.0794, 59.8857, 102.2624



11.0103, 4.5816, 57.4310



15.3776, 11.9156, 21.7394



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.



33.4055, 15.9624, 58.4473



55.2718, 26.4086, 96.7920



27.8384, 14.0124, 16.6277



11.6367, 11.3776, 14.1531



21.0469, 10.0576, 36.7883



1.1012, 0.5268, 1.8986

Inverse Universe

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



24.9515, 12.8576, 1.4256



41.3019, 21.2847, 2.2557



23.5167, 43.9554, 17.3267



11.2320, 11.2216, 11.7566



15.7136, 8.0960, 0.9445



0.8178, 0.4205, 0.0865

Previews

White Background



This preview shows how the XYZ color 33.4048, 15.9617, 58.4470 looks on a white background.

Color Contrast Check

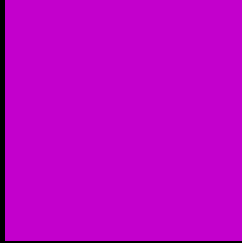
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4048, 15.9617, 58.4470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

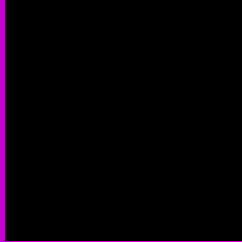
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.4048, 15.9617, 58.4470

Background



This preview shows how black text looks on a background with the XYZ color 33.4048, 15.9617, 58.4470.



This preview shows how white text looks on a background with the XYZ color 33.4048, 15.9617,

58.4470.

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

33.4048, 15.9617, 58.4470

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

17.2191, 16.7103, 52.1870



Tritanopia

23.5644, 16.2170, 10.4825

Trichromacy



Original Color

33.4048, 15.9617, 58.4470



Protanomaly

17.7778, 10.8163, 69.5574



Deuteranomaly

18.4098, 11.8764, 53.5466



Tritanomaly

25.3298, 14.3653, 21.8598

Monochromacy



Original Color

33.4048, 15.9617, 58.4470



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.1623, 8.1733, 20.6225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4048, 15.9617, 58.4470 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(195, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(195, 0, 204)  
}
```

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(195, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 33.4048, 15.9617, 58.4470 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(195, 0, 204) }
```


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

```
.border{ border-color:rgb(195, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(195, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(195, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4048, 15.9617, 58.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 0, 204) }
```

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

```
.background{ background-color: rgb(195, 0,  
204) }
```

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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