

Converting Colors

XYZ(31.5638, 16.8647, 33.3731)

Have a look what the booklet for
XYZ(31.5638, 16.8647, 33.3731)
contains.

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Color

**XYZ(31.5783, 16.8586,
33.4880)**

Conversions

Conversions Part 1

Format	Color
Hex	CB2B9D
RGB	203, 43, 157
RGB Percent	80%, 17%, 62%
CMY	0.2039, 0.8313, 0.3843
CMYK	0.00, 0.79, 0.23, 0.20
HSL	317°, 65%, 48%
HSV	317°, 79%, 80%
XYZ	31.5783, 16.8586, 33.4880
YIQ	103.8360, 58.7660, 69.3740

Conversions

Conversions Part 2

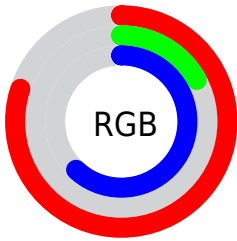
Format	Color
R_{YB}	203, 43, 157
Decimal	13314973
CIE _{Lab}	48.08, 70.09, -24.52
CIE _{LCh}	48, 74.252, 340.720
Yxy	16.8586, 0.3855, 0.2058
Android (android.graphics.Color)	4291505053 (0xFFFCB2B9D)
YUV	103.8360, 26.2099, 86.9668
Hunter-Lab	41.0592, 65.4292, -19.6156

Details

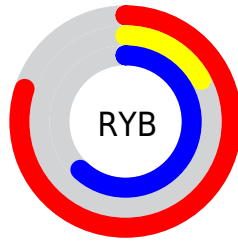
The XYZ color **31.5783, 16.8586, 33.4880** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **24.1564, 43.9474, 16.6632**, and the grayscale version is **13.0370, 13.7159, 14.9366**.

A 20% lighter version of the original color is **58.3814, 36.5289, 66.2611**, and **14.0514, 6.9492, 13.9653** is the 20% darker color. If you saturate the color by 10%, you get **30.5286, 15.5376, 30.7380**, and if you desaturate by 10%, it is **33.0198, 18.9247, 36.4863**.

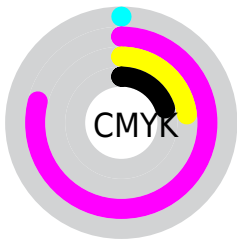
Distribution



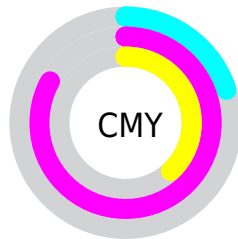
- Red (80%)
- Green (17%)
- Blue (62%)



- Red (80%)
- Yellow (17%)
- Blue (62%)



- Cyan (0%)
- Magenta (79%)
- Yellow (23%)
- Black (20%)



- Cyan (20%)
- Magenta (83%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5783, 16.8586, 33.4880 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 31.5783, 16.8586, 33.4880 by changing the saturation by 10% instead.

■ 31.5783, 16.8586,
33.4880

■ 31.5783, 16.8586,
33.4880

300.9733,
234.3562, 332.5422

■ 21.1936, 10.1337,
22.2264

■ 61.5191, 38.0825,
66.2614

■ 13.3788, 5.4877,
13.8234

■ 81.8059, 53.3503,
88.6103

■ 7.7687, 2.5362,
7.8606

■ 106.1240, 72.2346,
115.4921

■ 3.9979, 0.8947,
3.9194

■ 134.8389, 95.1197,
147.3252

■ 1.7009, 0.0000,
1.5812

■ 168.3160,
122.3900, 184.5282

■ 0.4569, 0.0000,
0.2774

206.9205,

■ 0.0000, 0.0000,

154.4299, 227.5197

0.0000

251.0178,
191.6239, 276.7182

■ 31.5783, 16.8586,
33.4880

■ 31.5783, 16.8586,
33.4880

■ 30.5286, 15.5376,
30.7380

■ 33.0198, 18.9247,
36.4863

■ 29.7910, 14.8034,
28.2077

■ 34.8998, 21.8294,
39.7498

■ 29.7114, 14.7296,
27.9174

■ 37.2600, 25.6553,
43.2939

■ 40.1365, 30.4744,
47.1323

■ 43.5621, 36.3514,
51.2774

■ 47.5666, 43.3455,
55.7405

■ 52.1776, 51.5118,
60.5324

■ 57.4210, 60.9013,
65.6630

■ 63.3211, 71.5623,
71.1420

Harmonies

Analogous

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



26.0186, 16.8586, 63.1183



31.5783, 16.8586, 33.4880



32.3695, 16.8586, 12.2967

Triad

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



31.5783, 16.8586, 33.4880



13.7380, 16.8586, 0.6951



8.0895, 16.8586, 54.6317

Complementary

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



31.5783, 16.8586, 33.4880



24.1564, 43.9474, 16.6632

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.



6.3850, 16.8586, 26.1368



31.5783, 16.8586, 33.4880



8.9854, 16.8586, 2.1681

Square

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



31.5783, 16.8586, 33.4880



20.6803, 16.8586, 0.8957



6.6592, 16.8586, 8.6474



12.1243, 16.8586, 80.1363

Rectangle

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



31.5783, 16.8586, 33.4880



29.8978, 16.8586, 5.1981



6.6592, 16.8586, 8.6474



7.2840, 16.8586, 44.4956

Sweetspot

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



31.5789, 16.8595, 33.4883



75.8324, 65.8927, 89.1522



15.7007, 8.1318, 57.2423



15.7308, 13.2330, 18.5144



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.



31.5789, 16.8595, 33.4883



50.1745, 25.0590, 48.2844



26.8565, 14.9706, 8.6210



11.5447, 11.3466, 13.4029



18.9491, 9.3902, 17.9825



1.0093, 0.4971, 1.0950

Inverse Universe

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



31.5789, 16.8595, 33.4883



50.1745, 25.0590, 48.2844



29.4520, 46.0656, 44.5494



11.5447, 11.3466, 13.4029



18.9491, 9.3902, 17.9825



1.0093, 0.4971, 1.0950

Previews

White Background



This preview shows how the XYZ color 31.5783, 16.8586, 33.4880 looks on a white background.

Color Contrast Check

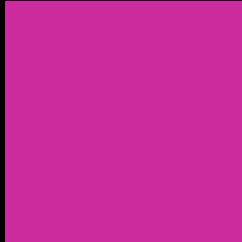
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5783, 16.8586, 33.4880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

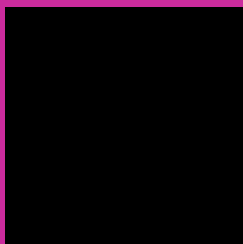
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.5783, 16.8586, 33.4880

Background



This preview shows how black text looks on a background with the XYZ color 31.5783, 16.8586, 33.4880.



This preview shows how white text looks on a background with the XYZ color 31.5783, 16.8586,

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

31.5783, 16.8586, 33.4880

Protanopia

19.7320, 17.4153, 63.9495

Deuteranopia

17.5571, 17.1996, 30.4115



Tritanopia

26.3868, 16.8923, 8.7073

Trichromacy



Original Color

31.5783, 16.8586, 33.4880



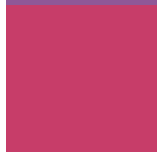
Protanomaly

19.8824, 14.2228, 50.9876



Deuteranomaly

20.4033, 15.0535, 31.1084



Tritanomaly

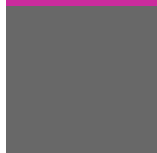
27.7717, 16.4995, 15.0856

Monochromacy



Original Color

31.5783, 16.8586, 33.4880



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

17.4077, 13.0401, 20.3384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5783, 16.8586, 33.4880 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(203, 43, 157)` looks like.

```
.text, #text, p{  
    color:rgb(203, 43, 157)  
}
```

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(203, 43, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 43, 157) }
```

Border

The CSS property to change the border of an element to XYZ 31.5783, 16.8586, 33.4880 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(203, 43, 157) }
```


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

```
.border{ border-color:rgb(203, 43, 157) }
```

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

Here you see how a box with a 4 pixel rgb(203, 43, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 43, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 43, 157);  
box-shadow:4px 4px 4px 4px rgb(203, 43,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5783, 16.8586, 33.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 43, 157) }
```

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

```
.background{ background-color: rgb(203, 43,  
157) }
```

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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