

Converting Colors

XYZ(27.6009, 8.2383, 29.8803)

Have a look what the booklet for
XYZ(27.6009, 8.2383, 29.8803)
contains.

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Color

**XYZ(31.1211, 15.3888,
31.0358)**

Conversions

Conversions Part 1

Format	Color
Hex	CE0098
RGB	206, 0, 152
RGB Percent	81%, 0%, 60%
CMY	0.1922, 0.9999, 0.4039
CMYK	0.00, 1.00, 0.26, 0.19
HSL	316°, 100%, 40%
HSV	316°, 100%, 81%
XYZ	31.1211, 15.3888, 31.0358
YIQ	78.9220, 73.9840, 90.9440

Conversions

Conversions Part 2

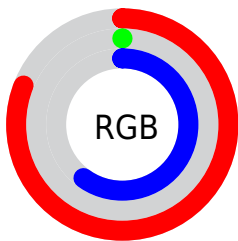
Format	Color
R_YB	206, 0, 152
Decimal	13500568
CIE Lab	46.16, 76.68, -24.45
CIE LCh	46, 80.484, 342.317
Yxy	15.3888, 0.4013, 0.1984
Android (android.graphics.Color)	4291690648 (0xFFCE0098)
YUV	78.9220, 36.0275, 111.4474
Hunter-Lab	39.2286, 72.9590, -19.4475

Details

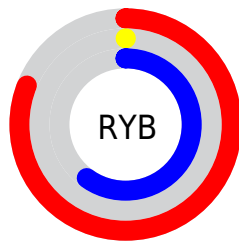
The XYZ color **31.1211, 15.3888, 31.0358** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.7385, 44.4097, 10.8679**, and the grayscale version is **7.3440, 7.7264, 8.4141**.

A 20% lighter version of the original color is **56.1586, 33.0773, 62.4562**, and **14.2030, 7.0506, 12.9242** is the 20% darker color. If you saturate the color by 10%, you get **31.1205, 15.3886, 31.0320**, and if you desaturate by 10%, it is **31.8353, 16.0929, 33.5065**.

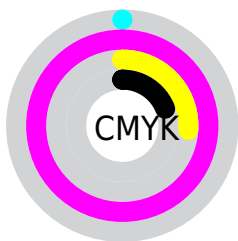
Distribution



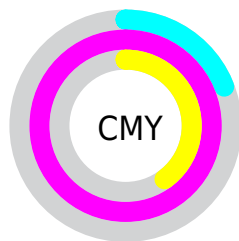
- Red (81%)
- Green (0%)
- Blue (60%)



- Red (81%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1211, 15.3888, 31.0358 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 31.1211, 15.3888, 31.0358 by changing the saturation by 10% instead.


 31.1211, 15.3888,
31.0358


 31.1211, 15.3888,
31.0358


298.9128,
225.7076, 321.0595

 20.8434, 9.0927,
20.3674


 60.8052, 35.5338,
62.3767

 13.1214, 4.8017,
12.4757


 80.9423, 50.1515,
83.8862


 7.5897, 2.1314,
6.9421


 105.0966, 68.3119,
109.8466

 3.8832, 0.6822,
3.3480

 133.6334, 90.3994,
140.6763

 1.6362, 0.0000,
1.2749

 166.9180,
116.7983, 176.7939

 0.4159, 0.0000,
0.0411

 205.3159,

 0.0000, 0.0000,

147.8930, 218.6180

0.0000

249.1924,
184.0680, 266.5670

■ 31.1211, 15.3888,
31.0358

■ 31.1211, 15.3888,
31.0358

■ 31.1205, 15.3886,
31.0320

■ 31.8353, 16.0929,
33.5065

■ 32.8479, 17.3613,
36.1772

■ 34.2542, 19.3839,
39.0811

■ 36.1053, 22.2629,
42.2365

■ 38.4446, 26.0842,
45.6589

■ 41.3101, 30.9237,
49.3623

■ 44.7358, 36.8490,
53.3593

■ 48.7530, 43.9223,
57.6613

■ 53.3905, 52.2009,
62.2791

Harmonies

Analogous

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



25.4156, 15.3888, 63.0352



31.1211, 15.3888, 31.0358



31.6524, 15.3888, 9.9243

Triad

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



31.1211, 15.3888, 31.0358



11.9912, 15.3888, 0.0671



6.8849, 15.3888, 57.1823

Complementary

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



31.1211, 15.3888, 31.0358



22.7385, 44.4097, 10.8679

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.



5.1588, 15.3888, 26.1672



31.1211, 15.3888, 31.0358



7.4265, 15.3888, 1.4738

Square

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



31.1211, 15.3888, 31.0358



19.0065, 15.3888, 0.2034



5.3198, 15.3888, 7.7064



10.9772, 15.3888, 84.5885

Rectangle

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



31.1211, 15.3888, 31.0358



28.8323, 15.3888, 3.5929



5.3198, 15.3888, 7.7064



6.0761, 15.3888, 46.1220

Sweetspot

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



31.1216, 15.3896, 31.0361



72.2472, 59.2950, 86.1915



12.5329, 5.1746, 58.7310



14.9357, 11.7735, 17.8459



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.



31.1216, 15.3896, 31.0361



50.3326, 24.8970, 49.8111



26.0633, 13.3663, 4.3994



11.5571, 11.3516, 13.4681



19.2046, 9.4924, 19.3279



1.0208, 0.5017, 1.1556

Inverse Universe

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



31.1216, 15.3896, 31.0361



50.3326, 24.8970, 49.8111



27.9471, 46.4931, 38.2957



11.5571, 11.3516, 13.4681



19.2046, 9.4924, 19.3279



1.0208, 0.5017, 1.1556

Previews

White Background



This preview shows how the XYZ color 31.1211, 15.3888, 31.0358 looks on a white background.

Color Contrast Check

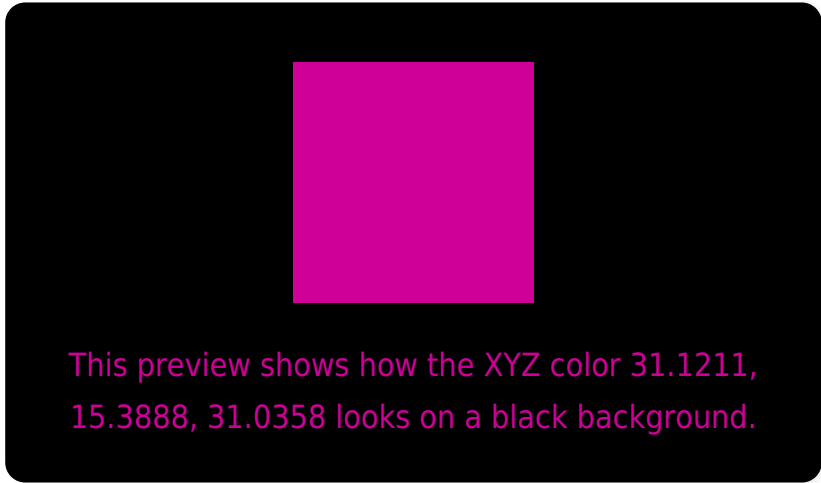
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 31.1211, 15.3888, 31.0358

Background



This preview shows how black text looks on a background with the XYZ color 31.1211, 15.3888, 31.0358.



This preview shows how white text looks on a background with the XYZ color 31.1211, 15.3888,

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

31.1211, 15.3888, 31.0358

Protanopia

18.9295, 16.2873, 67.1118

Deuteranopia

16.2950, 15.9544, 27.8119



Tritanopia

26.0663, 15.7327, 6.3655

Trichromacy



Original Color

31.1211, 15.3888, 31.0358



Protanomaly

17.5795, 11.1098, 51.6699



Deuteranomaly

18.4718, 12.0823, 28.5527



Tritanomaly

27.1158, 14.7690, 12.2480

Monochromacy



Original Color

31.1211, 15.3888, 31.0358



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.1996, 7.6818, 14.4754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1211, 15.3888, 31.0358 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(206, 0, 152)` looks like.

```
.text, #text, p{  
    color:rgb(206, 0, 152)  
}
```

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(206, 0, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 0, 152) }
```

Border

The CSS property to change the border of an element to XYZ 31.1211, 15.3888, 31.0358 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(206, 0, 152) }
```


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

```
.border{ border-color:rgb(206, 0, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 0, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 0, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 0, 152);  
box-shadow:4px 4px 4px 4px rgb(206, 0,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1211, 15.3888, 31.0358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 0, 152) }
```

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

```
.background{ background-color: rgb(206, 0,  
152) }
```

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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