

Converting Colors

XYZ(31.1231, 15.2882, 37.5898)

Have a look what the booklet for
XYZ(31.1231, 15.2882, 37.5898)
contains.

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Color

**XYZ(31.0029, 15.2358,
37.3832)**

Conversions

Conversions Part 1

Format	Color
Hex	C903A6
RGB	201, 3, 166
RGB Percent	79%, 1%, 65%
CMY	0.2118, 0.9881, 0.3490
CMYK	0.00, 0.98, 0.17, 0.21
HSL	311°, 97%, 40%
HSV	311°, 98%, 79%
XYZ	31.0029, 15.2358, 37.3832
YIQ	80.7840, 65.6850, 92.6690

Conversions

Conversions Part 2

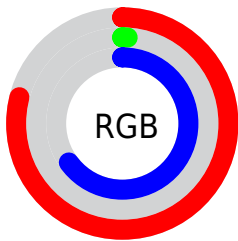
Format	Color
RYB	201, 3, 166
Decimal	13173670
CIELab	45.96, 77.14, -33.23
CIELCh	46, 83.987, 336.696
Yxy	15.2358, 0.3708, 0.1822
Android (android.graphics.Color)	4291363750 (0xFFC903A6)
YUV	80.7840, 42.0115, 105.4294
Hunter-Lab	39.0331, 73.4698, -29.4608

Details

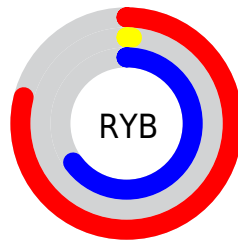
The XYZ color **31.0029, 15.2358, 37.3832** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **21.2751, 41.9333, 8.8090**, and the grayscale version is **7.6929, 8.0936, 8.8139**.

A 20% lighter version of the original color is **58.0322, 33.9626, 71.9034**, and **14.1926, 6.9657, 16.5161** is the 20% darker color. If you saturate the color by 10%, you get **30.9215, 15.1512, 37.1141**, and if you desaturate by 10%, it is **31.6101, 15.9210, 39.2164**.

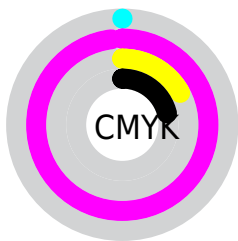
Distribution



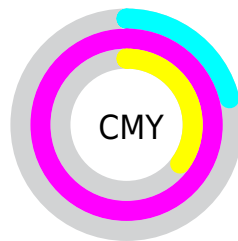
- Red (79%)
- Green (1%)
- Blue (65%)



- Red (79%)
- Yellow (1%)
- Blue (65%)



- Cyan (0%)
- Magenta (98%)
- Yellow (17%)
- Black (21%)





- Cyan (21%)
- Magenta (99%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0029, 15.2358, 37.3832 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 31.0029, 15.2358, 37.3832 by changing the saturation by 10% instead.

 31.0029, 15.2358,
37.3832


 31.0029, 15.2358,
37.3832


298.3783,
224.7891, 350.1851

 20.7529, 8.9850,
25.2062


 60.6204, 35.2663,
72.3547


 13.0549, 4.7314,
16.0103


 80.7187, 49.8149,
95.9862


 7.5436, 2.0906,
9.3770


 104.8304, 67.8981,
124.2730

 3.8537, 0.6593,
4.8878

 133.3209, 89.9005,
157.6337

 1.6197, 0.0000,
2.1240

 166.5556,
116.2064, 196.4867

 0.4052, 0.0000,
0.6300

 204.8999,

 0.0000, 0.0000,

147.2002, 241.2505

0.0000

248.7190,
183.2663, 292.3438

■ 31.0029, 15.2358,
37.3832

■ 31.0029, 15.2358,
37.3832

■ 30.9215, 15.1512,
37.1141

■ 31.6101, 15.9210,
39.2164

■ 32.5131, 17.1835,
41.1929

■ 33.7856, 19.1703,
43.3377

■ 35.4741, 21.9744,
45.6667

■ 37.6183, 25.6752,
48.1934

■ 40.2533, 30.3424,
50.9298

■ 43.4105, 36.0391,
53.8868

■ 47.1188, 42.8227,
57.0743

■ 51.4050, 50.7467,
60.5015

Harmonies

Analogous

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



24.2763, 15.2358, 71.8996



31.0029, 15.2358, 37.3832



32.7307, 15.2358, 12.4320

Triad

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



31.0029, 15.2358, 37.3832



12.9457, 15.2358, 0.0000



6.0564, 15.2358, 52.6786

Complementary

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



31.0029, 15.2358, 37.3832



21.2751, 41.9333, 8.8090

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.



4.7087, 15.2358, 21.5830



31.0029, 15.2358, 37.3832



7.7549, 15.2358, 0.8314

Square

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



31.0029, 15.2358, 37.3832



20.5867, 15.2358, 0.1467



5.2084, 15.2358, 5.4250



9.7206, 15.2358, 84.7234

Rectangle

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



31.0029, 15.2358, 37.3832



30.4385, 15.2358, 4.4882



5.2084, 15.2358, 5.4250



5.3832, 15.2358, 41.1092

Sweetspot

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



31.0034, 15.2366, 37.3835



73.2083, 59.6794, 91.2524



11.3041, 4.6584, 55.5621



15.1672, 11.8661, 19.0652



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.



31.0034, 15.2366, 37.3835



52.8625, 25.9090, 63.1333



25.1953, 12.9133, 6.7982



10.9995, 10.7832, 12.9807



19.4726, 9.5386, 23.4961



0.9437, 0.4603, 1.2269

Inverse Universe

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



31.0034, 15.2366, 37.3835



52.8625, 25.9090, 63.1333



25.2987, 43.5427, 29.9969



10.9995, 10.7832, 12.9807



19.4726, 9.5386, 23.4961



0.9437, 0.4603, 1.2269

Previews

White Background



This preview shows how the XYZ color 31.0029, 15.2358, 37.3832 looks on a white background.

Color Contrast Check

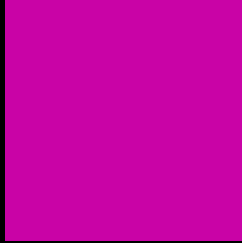
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0029, 15.2358, 37.3832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

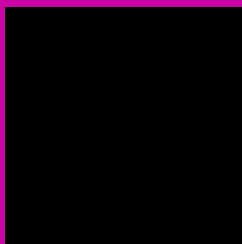
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.0029, 15.2358, 37.3832

Background



This preview shows how black text looks on a background with the XYZ color 31.0029, 15.2358, 37.3832.



This preview shows how white text looks on a background with the XYZ color 31.0029, 15.2358,

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

31.0029, 15.2358, 37.3832

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

16.2960, 15.9851, 33.6790



Tritanopia

24.9568, 15.5477, 7.3159

Trichromacy



Original Color

31.0029, 15.2358, 37.3832



Protanomaly

15.8952, 10.0805, 58.8656



Deuteranomaly

18.4299, 12.1129, 34.6244



Tritanomaly

26.0916, 14.3912, 14.4993

Monochromacy



Original Color

31.0029, 15.2358, 37.3832



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.6552, 8.0760, 16.2211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0029, 15.2358, 37.3832 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(201, 3, 166)` looks like.

```
.text, #text, p{  
    color:rgb(201, 3, 166)  
}
```

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(201, 3, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 3, 166) }
```

Border

The CSS property to change the border of an element to XYZ 31.0029, 15.2358, 37.3832 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(201, 3, 166) }
```


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

```
.border{ border-color:rgb(201, 3, 166) }
```

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

Here you see how a box with a 4 pixel rgb(201, 3, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 3, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 3, 166);  
box-shadow:4px 4px 4px 4px rgb(201, 3,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0029, 15.2358, 37.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 3, 166) }
```

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

```
.background{ background-color: rgb(201, 3,  
166) }
```

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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