

Converting Colors

XYZ(31.7763, 15.2626, 52.0295)

Have a look what the booklet for
XYZ(31.7763, 15.2626, 52.0295)
contains.

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Color

**XYZ(31.7299, 15.2325,
52.3067)**

Conversions

Conversions Part 1

Format	Color
Hex	C100C2
RGB	193, 0, 194
RGB Percent	76%, 0%, 76%
CMY	0.2431, 0.9999, 0.2392
CMYK	0.01, 1.00, 0.00, 0.24
HSL	300°, 100%, 38%
HSV	300°, 100%, 76%
XYZ	31.7299, 15.2325, 52.3067
YIQ	79.8230, 52.7540, 101.2500

Conversions

Conversions Part 2

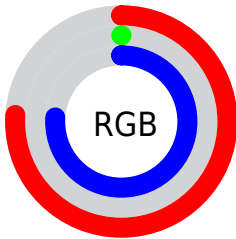
Format	Color
RYB	193, 0, 194
Decimal	12648642
CIELab	45.95, 79.82, -49.83
CIElCh	46, 94.098, 328.028
Yxy	15.2325, 0.3196, 0.1534
Android (android.graphics.Color)	4290838722 (0xFFC100C2)
YUV	79.8230, 56.2893, 99.2562
Hunter-Lab	39.0288, 76.8176, -52.1407

Details

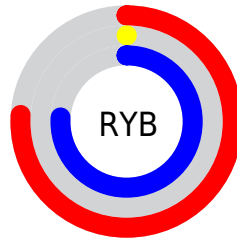
The XYZ color **31.7299, 15.2325, 52.3067** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **19.3048, 38.5903, 6.4319**, and the grayscale version is **7.4807, 7.8703, 8.5707**.

A 20% lighter version of the original color is **61.5768, 35.1600, 94.8079**, and **14.4917, 6.9324, 25.0004** is the 20% darker color. If you saturate the color by 10%, you get **31.7302, 15.2327, 52.3069**, and if you desaturate by 10%, it is **31.9959, 15.7261, 52.3881**.

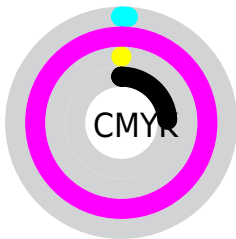
Distribution



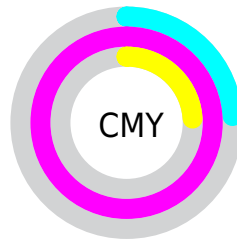
- Red (76%)
- Green (0%)
- Blue (76%)



- Red (76%)
- Yellow (0%)
- Blue (76%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (24%)





- Cyan (24%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7299, 15.2325, 52.3067 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 31.7299, 15.2325, 52.3067 by changing the saturation by 10% instead.


 31.7299, 15.2325,
52.3067

 31.7299, 15.2325,
52.3067

301.6542,
224.7692, 412.6101


 21.3098, 8.9827,
36.8657


 61.7555, 35.2605,
95.0146


 13.4644, 4.7299,
24.8085


 82.0917, 49.8076,
123.1185


 7.8283, 2.0897,
15.7167


 106.4640, 67.8892,
156.2805

 4.0362, 0.6588,
9.1718

 135.2377, 89.8897,
194.9191

 1.7226, 0.0000,
4.7550

 168.7783,
116.1936, 239.4528

 0.4704, 0.0000,
2.0481

 207.4509,

 0.0000, 0.0000,

147.1852, 290.3002

0.5846

251.6211,
183.2489, 347.8798

■ 0.0000, 0.0000,
0.0000

■ 31.7299, 15.2325,
52.3067

■ 31.7299, 15.2325,
52.3067

■ 31.7302, 15.2327,
52.3069

■ 31.9959, 15.7261,
52.3881

■ 32.5010, 16.6985,
52.5492

■ 33.3312, 18.3209,
52.8186

■ 34.5301, 20.6809,
53.2110

■ 36.1348, 23.8524,
53.7385

■ 38.1779, 27.9006,
54.4122

■ 40.6885, 32.8839,
55.2418

■ 43.6934, 38.8557,
56.2361

■ 47.2173, 45.8654,
57.4034

Harmonies

Analogous

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



22.9268, 15.2325, 93.1681



31.7299, 15.2325, 52.3067



35.7941, 15.2325, 18.1402

Triad

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



31.7299, 15.2325, 52.3067



15.0112, 15.2325, 0.0000



4.7343, 15.2325, 46.8867

Complementary

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



31.7299, 15.2325, 52.3067



19.3048, 38.5903, 6.4319

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.



3.9362, 15.2325, 15.1224



31.7299, 15.2325, 52.3067



8.4111, 15.2325, 0.0000

Square

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



31.7299, 15.2325, 52.3067



24.1887, 15.2325, 0.0000



4.9887, 15.2325, 2.5188



7.7918, 15.2325, 88.4822

Rectangle

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



31.7299, 15.2325, 52.3067



34.4539, 15.2325, 6.3823



4.9887, 15.2325, 2.5188



4.2560, 15.2325, 34.1861

Sweetspot

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



31.7305, 15.2332, 52.3070



73.4746, 59.0953, 100.0038



9.7733, 3.9659, 51.2895



15.6424, 12.0521, 21.7518



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.



31.7305, 15.2332, 52.3070



57.4798, 27.5939, 94.7664



24.5606, 12.3948, 13.2169



10.4920, 10.2448, 12.7093



20.8640, 10.0162, 34.3903



0.9032, 0.4336, 1.4860

Inverse Universe

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



22.2541, 11.4721, 1.0708



40.3152, 20.7824, 1.9239



21.3027, 39.3880, 17.0178



10.0753, 10.0787, 10.4870



14.6320, 7.5426, 0.7084



0.6329, 0.3262, 0.0345

Previews

White Background



This preview shows how the XYZ color 31.7299, 15.2325, 52.3067 looks on a white background.

Color Contrast Check

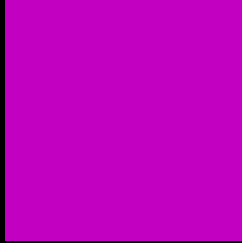
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7299, 15.2325, 52.3067 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 31.7299, 15.2325, 52.3067

Background



This preview shows how black text looks on a background with the XYZ color 31.7299, 15.2325, 52.3067.



This preview shows how white text looks on a background with the XYZ color 31.7299, 15.2325,

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

31.7299, 15.2325, 52.3067

Protanopia

18.9852, 16.0064, 74.0404

Deuteranopia

16.3079, 15.8701, 46.4597



Tritanopia

23.1257, 15.5867, 9.5743

Trichromacy



Original Color

31.7299, 15.2325, 52.3067



Protanomaly

16.7305, 10.2914, 64.7230



Deuteranomaly

17.7983, 11.4964, 47.7353



Tritanomaly

24.5774, 13.8333, 19.7871

Monochromacy



Original Color

31.7299, 15.2325, 52.3067



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.5202, 7.8131, 18.9373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7299, 15.2325, 52.3067 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(193, 0, 194)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 194)  
}
```

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(193, 0, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 194) }
```

Border

The CSS property to change the border of an element to XYZ 31.7299, 15.2325, 52.3067 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(193, 0, 194) }
```


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

```
.border{ border-color:rgb(193, 0, 194) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 194);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7299, 15.2325, 52.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 194) }
```

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

```
.background{ background-color: rgb(193, 0,  
194) }
```

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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