

Converting Colors

XYZ(29.6437, 11.8827, 48.4870)

Have a look what the booklet for
XYZ(29.6437, 11.8827, 48.4870)
contains.

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Color

**XYZ(31.0694, 14.9683,
48.8286)**

Conversions

Conversions Part 1

Format	Color
Hex	C100BC
RGB	193, 0, 188
RGB Percent	76%, 0%, 74%
CMY	0.2431, 0.9999, 0.2627
CMYK	0.00, 1.00, 0.03, 0.24
HSL	302°, 100%, 38%
HSV	302°, 100%, 76%
XYZ	31.0694, 14.9683, 48.8286
YIQ	79.1390, 54.6800, 99.3840

Conversions

Conversions Part 2

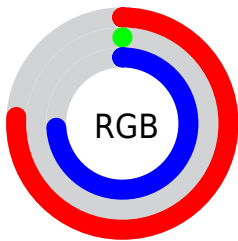
Format	Color
R_{YB}	193, 0, 188
Decimal	12648636
CIE _{Lab}	45.59, 78.95, -46.89
CIE _{LCh}	46, 91.830, 329.291
Yxy	14.9683, 0.3275, 0.1578
Android (android.graphics.Color)	4290838716 (0xFFC100BC)
YUV	79.1390, 53.6685, 99.8561
Hunter-Lab	38.6889, 75.6402, -47.7467

Details

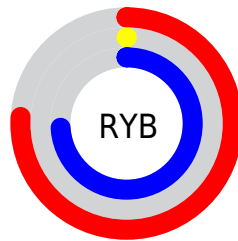
The XYZ color **31.0694, 14.9683, 48.8286** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed rose. A complement of this color would be **19.0981, 38.1516, 6.5018**, and the grayscale version is **7.3544, 7.7374, 8.4260**.

A 20% lighter version of the original color is **60.6456, 34.7875, 89.9045**, and **14.1346, 6.7896, 23.1198** is the 20% darker color. If you saturate the color by 10%, you get **31.0697, 14.9684, 48.8284**, and if you desaturate by 10%, it is **31.3622, 15.4669, 49.1928**.

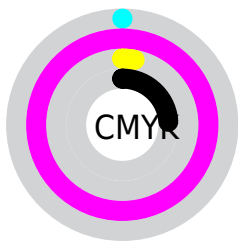
Distribution



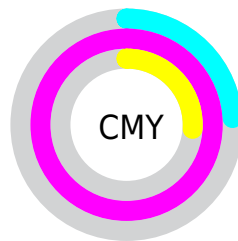
- Red (76%)
- Green (0%)
- Blue (74%)



- Red (76%)
- Yellow (0%)
- Blue (74%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (24%)





- Cyan (24%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0694, 14.9683, 48.8286 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 31.0694, 14.9683, 48.8286 by changing the saturation by 10% instead.

 31.0694, 14.9683,
48.8286


 31.0694, 14.9683,
48.8286


298.6791,
223.1743, 398.6702


 20.8038, 8.7971,
34.1189


 60.7244, 34.7976,
89.8152


 13.0923, 4.6091,
22.7068


 80.8445, 49.2244,
116.9291


 7.5696, 2.0198,
14.1739


 104.9802, 67.1720,
149.0149

 3.8703, 0.6189,
8.1016

 133.4967, 89.0247,
186.4911

 1.6290, 0.0000,
4.0713

 166.7596,
115.1669, 229.7762

 0.4112, 0.0000,
1.6646

 205.1340,

 0.0000, 0.0000,

145.9829, 279.2887

0.3363

248.9854,
181.8573, 335.4472

■ 0.0000, 0.0000,
0.0000

■ 31.0694, 14.9683,
48.8286

■ 31.0694, 14.9683,
48.8286

■ 31.0697, 14.9684,
48.8284

■ 31.3622, 15.4669,
49.1928

■ 31.8913, 16.4383,
49.6365

■ 32.7417, 18.0522,
50.1883

■ 33.9567, 20.3948,
50.8626

■ 35.5728, 23.5394,
51.6715

■ 37.6221, 27.5500,
52.6257

■ 40.1335, 32.4846,
53.7348

■ 43.1333, 38.3957,
55.0078

■ 46.6460, 45.3323,
56.4525

Harmonies

Analogous

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



22.7413, 14.9683, 87.9763



31.0694, 14.9683, 48.8286



34.6839, 14.9683, 16.8264

Triad

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



31.0694, 14.9683, 48.8286



14.4103, 14.9683, 0.0000



4.8448, 14.9683, 46.9706

Complementary

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



31.0694, 14.9683, 48.8286



19.0981, 38.1516, 6.5018

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.



3.9819, 14.9683, 15.7807



31.0694, 14.9683, 48.8286



8.1573, 14.9683, 0.0000

Square

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



31.0694, 14.9683, 48.8286



23.1764, 14.9683, 0.0000



4.9344, 14.9683, 2.8376



7.9410, 14.9683, 86.3772

Rectangle

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



31.0694, 14.9683, 48.8286



33.2059, 14.9683, 5.9400



4.9344, 14.9683, 2.8376



4.3467, 14.9683, 34.6374

Sweetspot

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



31.0700, 14.9690, 48.8289



71.6415, 57.7129, 96.1360



9.6666, 3.8718, 50.6905



14.9409, 11.5386, 20.4371



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.0700, 14.9690, 48.8289



55.6303, 26.8022, 87.3716



23.9818, 12.1337, 11.5031



10.4857, 10.2429, 12.6480



20.6696, 9.9576, 32.5017



0.8967, 0.4317, 1.4234

Inverse Universe

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



31.0700, 14.9690, 48.8289



55.6303, 26.8022, 87.3716



21.3577, 39.0554, 18.4009



10.4857, 10.2429, 12.6480



20.6696, 9.9576, 32.5017



0.8967, 0.4317, 1.4234

Previews

White Background



This preview shows how the XYZ color 31.0694, 14.9683, 48.8286 looks on a white background.

Color Contrast Check

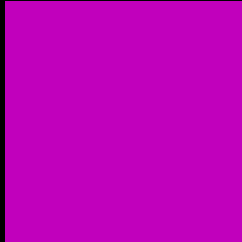
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0694, 14.9683, 48.8286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

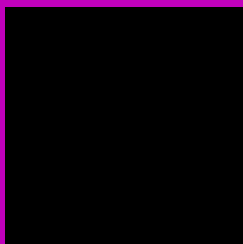
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.0694, 14.9683, 48.8286

Background



This preview shows how black text looks on a background with the XYZ color 31.0694, 14.9683, 48.8286.



This preview shows how white text looks on a background with the XYZ color 31.0694, 14.9683,

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

31.0694, 14.9683, 48.8286

Protanopia

18.7446, 15.7443, 73.2852

Deuteranopia

16.1103, 15.6658, 43.7697



Tritanopia

23.1515, 15.4072, 9.1508

Trichromacy



Original Color

31.0694, 14.9683, 48.8286



Protanomaly

16.4166, 10.0699, 63.3658



Deuteranomaly

17.6009, 11.3614, 44.9814



Tritanomaly

24.5960, 13.8040, 18.8209

Monochromacy



Original Color

31.0694, 14.9683, 48.8286



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2161, 7.6062, 18.2770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0694, 14.9683, 48.8286 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 188) }
```

Border

The CSS property to change the border of an element to XYZ 31.0694, 14.9683, 48.8286 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, 188) }
```


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

```
.border{ border-color:rgb(193, 0, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 188);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0694, 14.9683, 48.8286 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, 188) }
```

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

```
.background{ background-color: rgb(193, 0,  
188) }
```

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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