

Converting Colors

XYZ(31.4717, 14.8193, 64.9543)

Have a look what the booklet for
XYZ(31.4717, 14.8193, 64.9543)
contains.

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Color

**XYZ(31.4290, 14.8001,
64.8185)**

Conversions

Conversions Part 1

Format	Color
Hex	B600D6
RGB	182, 0, 214
RGB Percent	71%, 0%, 84%
CMY	0.2863, 0.9999, 0.1608
CMYK	0.15, 1.00, 0.00, 0.16
HSL	291°, 100%, 42%
HSV	291°, 100%, 84%
XYZ	31.4290, 14.8001, 64.8185
YIQ	78.8140, 39.7780, 105.1380

Conversions

Conversions Part 2

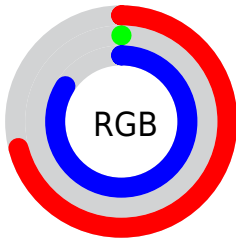
Format	Color
RYB	182, 0, 214
Decimal	11927766
CIELab	45.36, 81.27, -62.45
CIELCh	45, 102.499, 322.460
Yxy	14.8001, 0.2830, 0.1333
Android (android.graphics.Color)	4290117846 (0xFFB600D6)
YUV	78.8140, 66.6467, 90.4941
Hunter-Lab	38.4709, 78.5024, -72.9664

Details

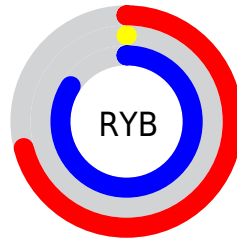
The XYZ color **31.4290, 14.8001, 64.8185** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **24.6428, 48.4006, 8.0439**, and the grayscale version is **7.2696, 7.6482, 8.3289**.

A 20% lighter version of the original color is **58.2403, 33.2420, 97.9545**, and **14.3399, 6.6796, 32.8812** is the 20% darker color. If you saturate the color by 10%, you get **31.4290, 14.8001, 64.8187**, and if you desaturate by 10%, it is **32.4699, 15.7462, 64.9465**.

Distribution



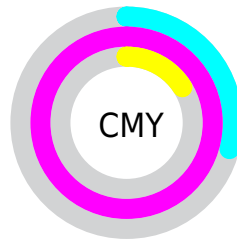
- Red (71%)
- Green (0%)
- Blue (84%)



- Red (71%)
- Yellow (0%)
- Blue (84%)



- Cyan (15%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)





- Cyan (29%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4290, 14.8001, 64.8185 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 31.4290, 14.8001, 64.8185 by changing the saturation by 10% instead.

 31.4290, 14.8001,
64.8185


 31.4290, 14.8001,
64.8185


300.3016,
222.1531, 460.4278

 21.0792, 8.6792,
46.8635


 61.2861, 34.5021,
113.3997

 13.2947, 4.5325,
32.5742


 81.5241, 48.8520,
144.8629


 7.7102, 1.9757,
21.5320


 105.7889, 66.7137,
181.6660

 3.9603, 0.5933,
13.3184

 134.4458, 88.4716,
224.2274

 1.6797, 0.0000,
7.5149

 167.8601,
114.5101, 272.9658

 0.4435, 0.0000,
3.7028

 206.3973,

 0.0000, 0.0000,

145.2136, 328.2996

1.4638

250.4227,
180.9665, 390.6474

■ 0.0000, 0.0000,
0.1907

■ 0.0000, 0.0000,
0.0000

■ 31.4290, 14.8001,
64.8185

■ 31.4290, 14.8001,
64.8185

■ 31.4290, 14.8001,
64.8187

■ 32.4699, 15.7462,
64.9465

■ 33.8331, 17.3119,
65.1769

■ 35.6208, 19.7007,
65.5437

■ 37.8893, 23.0250,
66.0658

■ 40.6862, 27.3796,
66.7589

■ 44.0528, 32.8473,
67.6369

■ 48.0267, 39.5029,
68.7121

■ 52.6419, 47.4144,
69.9959

■ 57.9299, 56.6446,
71.4988

Harmonies

Analogous

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



21.2862, 14.8001, 109.7272



31.4290, 14.8001, 64.8185



37.3078, 14.8001, 23.0751

Triad

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



31.4290, 14.8001, 64.8185



16.3240, 14.8001, 0.0000



3.7196, 14.8001, 41.4509

Complementary

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



31.4290, 14.8001, 64.8185



24.6428, 48.4006, 8.0439

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.



3.2849, 14.8001, 10.7171



31.4290, 14.8001, 64.8185



8.6982, 14.8001, 0.0000

Square

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



31.4290, 14.8001, 64.8185



26.5708, 14.8001, 0.0000



4.6756, 14.8001, 1.1078



6.2697, 14.8001, 89.0961

Rectangle

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



31.4290, 14.8001, 64.8185



36.8425, 14.8001, 7.9739



4.6756, 14.8001, 1.1078



3.3782, 14.8001, 28.4812

Sweetspot

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



31.4297, 14.8007, 64.8188



71.2260, 58.4147, 102.1289



12.6574, 5.8942, 64.0891



14.6850, 11.5585, 21.7070



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.



31.4297, 14.8007, 64.8188



46.6263, 21.9516, 96.3873



32.3997, 16.1637, 25.8787



12.7621, 12.5343, 15.6842



19.0668, 8.9818, 39.1819



1.2007, 0.5679, 2.3656

Inverse Universe

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



27.9927, 14.4009, 2.6717



41.5920, 21.4008, 3.7835



25.3137, 48.6001, 14.6870



12.4982, 12.4508, 13.2977



16.9434, 8.7137, 1.7399



1.0465, 0.5354, 0.2343

Previews

White Background



This preview shows how the XYZ color 31.4290, 14.8001, 64.8185 looks on a white background.

Color Contrast Check

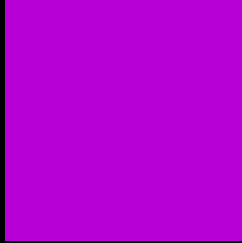
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4290, 14.8001, 64.8185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

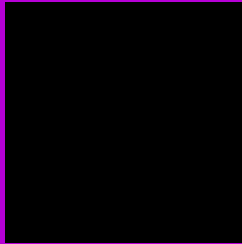
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.4290, 14.8001, 64.8185

Background



This preview shows how black text looks on a background with the XYZ color 31.4290, 14.8001, 64.8185.



This preview shows how white text looks on a background with the XYZ color 31.4290, 14.8001,

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

31.4290, 14.8001, 64.8185

Protanopia

18.3389, 15.5820, 71.1483

Deuteranopia

15.6482, 15.3544, 54.3635



Tritanopia

20.7417, 15.1858, 11.5108

Trichromacy



Original Color

31.4290, 14.8001, 64.8185



Protanomaly

17.0401, 10.2870, 68.1053



Deuteranomaly

15.2795, 9.9765, 57.6203



Tritanomaly

22.6595, 13.0661, 24.2494

Monochromacy



Original Color

31.4290, 14.8001, 64.8185



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2393, 7.5527, 21.2348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4290, 14.8001, 64.8185 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(182, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(182, 0, 214)  
}
```

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(182, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 31.4290, 14.8001, 64.8185 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(182, 0, 214) }
```


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

```
.border{ border-color:rgb(182, 0, 214) }
```

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

Here you see how a box with a 4 pixel rgb(182, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(182, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4290, 14.8001, 64.8185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 0, 214) }
```

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

```
.background{ background-color: rgb(182, 0,  
214) }
```

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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