

Converting Colors

XYZ(31.1025, 14.6289, 64.9367)

Have a look what the booklet for
XYZ(31.1025, 14.6289, 64.9367)
contains.

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Color

**XYZ(31.1937, 14.6788,
64.8075)**

Conversions

Conversions Part 1

Format	Color
Hex	B500D6
RGB	181, 0, 214
RGB Percent	71%, 0%, 84%
CMY	0.2902, 0.9999, 0.1608
CMYK	0.15, 1.00, 0.00, 0.16
HSL	291°, 100%, 42%
HSV	291°, 100%, 84%
XYZ	31.1937, 14.6788, 64.8075
YIQ	78.5150, 39.1820, 104.9260

Conversions

Conversions Part 2

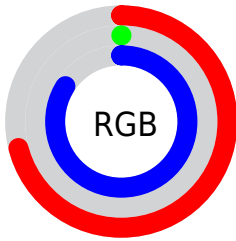
Format	Color
RYB	181, 0, 214
Decimal	11862230
CIELab	45.19, 81.13, -62.73
CIELCh	45, 102.559, 322.288
Yxy	14.6788, 0.2818, 0.1326
Android (android.graphics.Color)	4290052310 (0xFFB500D6)
YUV	78.5150, 66.7941, 89.8793
Hunter-Lab	38.3129, 78.2839, -73.4718

Details

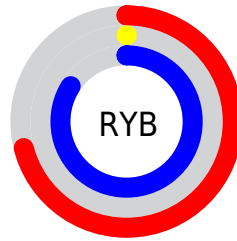
The XYZ color **31.1937, 14.6788, 64.8075** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **24.6743, 48.4169, 8.0453**, and the grayscale version is **7.2129, 7.5886, 8.2640**.

A 20% lighter version of the original color is **57.8980, 33.0655, 97.9385**, and **14.1976, 6.6062, 32.8746** is the 20% darker color. If you saturate the color by 10%, you get **31.1937, 14.6788, 64.8077**, and if you desaturate by 10%, it is **32.2532, 15.6345, 64.9364**.

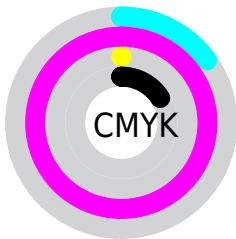
Distribution



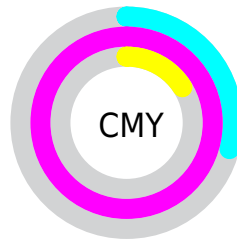
- Red (71%)
- Green (0%)
- Blue (84%)



- 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 31.1937, 14.6788, 64.8075 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 31.1937, 14.6788, 64.8075 by changing the saturation by 10% instead.


 31.1937, 14.6788,
64.8075


 31.1937, 14.6788,
64.8075


299.2407,
221.4138, 460.3871


 20.8989, 8.5943,
46.8547


 60.9187, 34.2887,
113.3837


 13.1622, 4.4775,
32.5672


 81.0796, 48.5829,
144.8441

 7.6181, 1.9441,
21.5267


 105.2600, 66.3824,
181.6441

 3.9013, 0.5747,
13.3146

 133.8251, 88.0716,
224.2023

 1.6464, 0.0000,
7.5123

 167.1404,
114.0350, 272.9371

 0.4224, 0.0000,
3.7012

 205.5712,

 0.0000, 0.0000,

144.6569, 328.2672

1.4629

249.4828,
180.3217, 390.6110

■ 0.0000, 0.0000,
0.1901

■ 0.0000, 0.0000,
0.0000

■ 31.1937, 14.6788,
64.8075

■ 31.1937, 14.6788,
64.8075

■ 31.1937, 14.6788,
64.8077

■ 32.2532, 15.6345,
64.9364

■ 33.6360, 17.2103,
65.1676

■ 35.4445, 19.6098,
65.5355

■ 37.7348, 22.9453,
66.0586

■ 40.5546, 27.3117,
66.7528

■ 43.9453, 32.7918,
67.6318

■ 47.9443, 39.4604,
68.7082

■ 52.5858, 47.3854,
69.9933

■ 57.9013, 56.6297,
71.4974

Harmonies

Analogous

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



21.0795, 14.6788, 109.5347



31.1937, 14.6788, 64.8075



37.0924, 14.6788, 23.0885

Triad

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



31.1937, 14.6788, 64.8075



16.2516, 14.6788, 0.0000



3.6610, 14.6788, 40.9795

Complementary

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



31.1937, 14.6788, 64.8075



24.6743, 48.4169, 8.0453

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.



3.2401, 14.6788, 10.5086



31.1937, 14.6788, 64.8075



8.6447, 14.6788, 0.0000

Square

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



31.1937, 14.6788, 64.8075



26.4626, 14.6788, 0.0000



4.6310, 14.6788, 1.0647



6.1766, 14.6788, 88.4827

Rectangle

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



31.1937, 14.6788, 64.8075



36.6609, 14.6788, 7.9733



4.6310, 14.6788, 1.0647



3.3262, 14.6788, 28.0971

Sweetspot

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



31.1944, 14.6794, 64.8078



71.1024, 58.3510, 102.1231



12.7590, 6.0975, 64.1230



14.6550, 11.5431, 21.7056



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.



31.1944, 14.6794, 64.8078



46.2737, 21.7698, 96.3708



32.6649, 16.2697, 27.2751



12.7562, 12.5312, 15.6840



18.9262, 8.9093, 39.1753



1.1935, 0.5641, 2.3653

Inverse Universe

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



28.0065, 14.4064, 2.7443



41.6116, 21.4086, 3.8867



25.1952, 48.5527, 14.0628



12.5005, 12.4517, 13.3101



16.9523, 8.7172, 1.7868



1.0476, 0.5358, 0.2402

Previews

White Background



This preview shows how the XYZ color 31.1937, 14.6788, 64.8075 looks on a white background.

Color Contrast Check

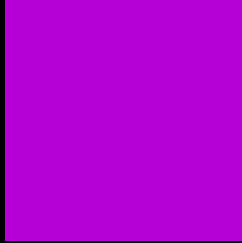
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1937, 14.6788, 64.8075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

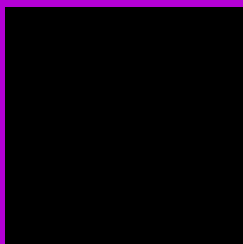
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.1937, 14.6788, 64.8075

Background



This preview shows how black text looks on a background with the XYZ color 31.1937, 14.6788, 64.8075.



This preview shows how white text looks on a background with the XYZ color 31.1937, 14.6788,

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

31.1937, 14.6788, 64.8075

Protanopia

18.2364, 15.3771, 71.1142

Deuteranopia

15.5348, 15.3090, 53.7659



Tritanopia

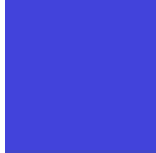
20.3256, 14.9713, 11.4913

Trichromacy



Original Color

31.1937, 14.6788, 64.8075



Protanomaly

17.0401, 10.2870, 68.1053



Deuteranomaly

15.1607, 9.9290, 56.9945



Tritanomaly

22.2238, 12.8415, 24.2290

Monochromacy



Original Color

31.1937, 14.6788, 64.8075



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 31.1937, 14.6788, 64.8075 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(181, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 31.1937, 14.6788, 64.8075 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(181, 0, 214) }
```


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

```
.border{ border-color:rgb(181, 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(181, 0, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1937, 14.6788, 64.8075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 214) }
```

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

```
.background{ background-color: rgb(181, 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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