

Converting Colors

XYZ(31.4865, 14.8303, 70.2053)

Have a look what the booklet for
XYZ(31.4865, 14.8303, 70.2053)
contains.

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Color

**XYZ(31.3923, 14.7730,
70.3042)**

Conversions

Conversions Part 1

Format	Color
Hex	B107DE
RGB	177, 7, 222
RGB Percent	69%, 3%, 87%
CMY	0.3059, 0.9725, 0.1294
CMYK	0.20, 0.97, 0.00, 0.13
HSL	287°, 94%, 45%
HSV	287°, 97%, 87%
XYZ	31.3923, 14.7730, 70.3042
YIQ	82.3400, 32.3050, 102.9050

Conversions

Conversions Part 2

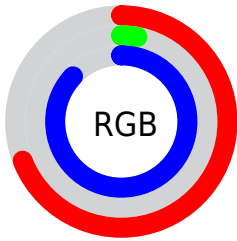
Format	Color
RYB	177, 7, 222
Decimal	11601886
CIELab	45.32, 81.30, -67.14
CIELCh	45, 105.439, 320.451
Yxy	14.7730, 0.2695, 0.1268
Android (android.graphics.Color)	4289791966 (0xFFB107DE)
YUV	82.3400, 68.8524, 83.0168
Hunter-Lab	38.4357, 78.5273, -81.5447

Details

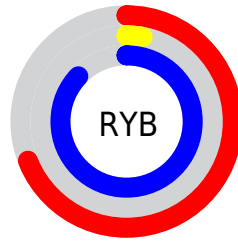
The XYZ color **31.3923, 14.7730, 70.3042** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **27.5765, 52.9885, 8.9757**, and the grayscale version is **7.9515, 8.3656, 9.1101**.

A 20% lighter version of the original color is **56.6312, 32.5369, 97.9032**, and **14.3541, 6.6047, 36.5947** is the 20% darker color. If you saturate the color by 10%, you get **30.9844, 14.4500, 70.2636**, and if you desaturate by 10%, it is **32.8381, 16.0655, 70.4777**.

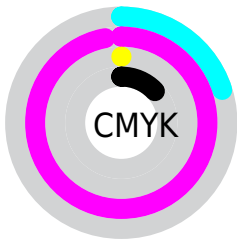
Distribution



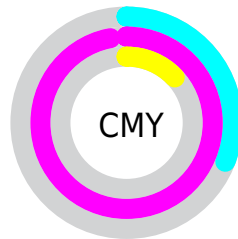
- Red (69%)
- Green (3%)
- Blue (87%)



- Red (69%)
- Yellow (3%)
- Blue (87%)



- Cyan (20%)
- Magenta (97%)
- Yellow (0%)
- Black (13%)





- Cyan (31%)
- Magenta (97%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3923, 14.7730, 70.3042 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 31.3923, 14.7730, 70.3042 by changing the saturation by 10% instead.


 31.3923, 14.7730,
70.3042

 31.3923, 14.7730,
70.3042


300.1363,
221.9881, 480.4353

 21.0510, 8.6602,
51.2962


 61.2288, 34.4545,
121.3276

 13.2740, 4.5202,
36.0661


 81.4548, 48.7919,
154.1802

 7.6958, 1.9686,
24.1951


 105.7064, 66.6398,
192.4847

 3.9511, 0.5891,
15.2649

 134.3490, 88.3824,
236.6597

 1.6745, 0.0000,
8.8568

 167.7480,
114.4041, 287.1237

 0.4402, 0.0000,
4.5524

 206.2686,

 0.0000, 0.0000,

145.0894, 344.2953

1.9330

250.2762,
180.8226, 408.5930

■ 0.0000, 0.0000,
0.5136

■ 0.0000, 0.0000,
0.0000

■ 31.3923, 14.7730,
70.3042

■ 31.3923, 14.7730,
70.3042

■ 30.9844, 14.4500,
70.2636

■ 32.8381, 16.0655,
70.4777

■ 34.7084, 18.1539,
70.7823

■ 37.0791, 21.1887,
71.2431

■ 40.0087, 25.2861,
71.8796

■ 43.5470, 30.5454,
72.7082

■ 47.7382, 37.0544,
73.7437

■ 52.6221, 44.8924,
74.9992

■ 58.2354, 54.1322,
76.4868

■ 64.6119, 64.8409,
78.2177

Harmonies

Analogous

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



20.7690, 14.7730, 116.4333



31.3923, 14.7730, 70.3042



37.9855, 14.7730, 25.4621

Triad

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



31.3923, 14.7730, 70.3042



17.0174, 14.7730, 0.0000



3.4484, 14.7730, 39.4401

Complementary

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



31.3923, 14.7730, 70.3042



27.5765, 52.9885, 8.9757

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.



3.1344, 14.7730, 9.3499



31.3923, 14.7730, 70.3042



8.9503, 14.7730, 0.0000

Square

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



31.3923, 14.7730, 70.3042



27.6885, 14.7730, 0.0000



4.6612, 14.7730, 0.7693



5.8294, 14.7730, 89.0423

Rectangle

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



31.3923, 14.7730, 70.3042



37.8963, 14.7730, 8.8397



4.6612, 14.7730, 0.7693



3.1513, 14.7730, 26.4893

Sweetspot

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



31.3930, 14.7736, 70.3045



70.3572, 58.7298, 102.2355



14.5729, 7.9198, 69.8681



14.4401, 11.5755, 21.7232



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.



31.3930, 14.7736, 70.3045



42.3065, 19.7247, 96.1852



36.6411, 18.2581, 35.3514



13.9995, 13.7833, 17.3103



18.4996, 8.6322, 41.7395



1.3536, 0.6351, 2.8965

Inverse Universe

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



30.8205, 15.9299, 4.7003



41.8912, 21.5205, 5.3592



27.2503, 52.7045, 14.1936



13.8240, 13.7472, 14.8434



18.2244, 9.3568, 2.5815



1.2958, 0.6616, 0.3506

Previews

White Background



This preview shows how the XYZ color 31.3923, 14.7730, 70.3042 looks on a white background.

Color Contrast Check

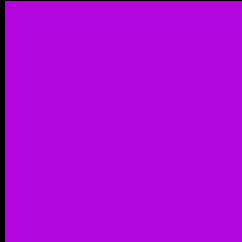
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3923, 14.7730, 70.3042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

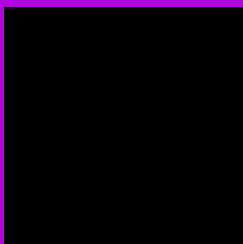
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.3923, 14.7730, 70.3042

Background



This preview shows how black text looks on a background with the XYZ color 31.3923, 14.7730, 70.3042.



This preview shows how white text looks on a background with the XYZ color 31.3923, 14.7730,

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

31.3923, 14.7730, 70.3042

Protanopia

18.1027, 15.3236, 70.4102

Deuteranopia

15.4220, 15.2639, 53.1723



Tritanopia

19.6821, 14.9776, 12.2095

Trichromacy



Original Color

31.3923, 14.7730, 70.3042



Protanomaly

17.2936, 10.5667, 69.5347



Deuteranomaly

15.3960, 10.2147, 58.2869



Tritanomaly

21.9726, 13.0266, 26.1672

Monochromacy



Original Color

31.3923, 14.7730, 70.3042



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

12.9359, 8.2077, 23.0928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3923, 14.7730, 70.3042 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(177, 7, 222)` looks like.

```
.text, #text, p{  
    color:rgb(177, 7, 222)  
}
```

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(177, 7, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 7, 222) }
```

Border

The CSS property to change the border of an element to XYZ 31.3923, 14.7730, 70.3042 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(177, 7, 222) }
```


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

```
.border{ border-color:rgb(177, 7, 222) }
```

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

Here you see how a box with a 4 pixel rgb(177, 7, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 7, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 7, 222);  
box-shadow:4px 4px 4px 4px rgb(177, 7,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3923, 14.7730, 70.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 7, 222) }
```

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

```
.background{ background-color: rgb(177, 7,  
222) }
```

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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