

Converting Colors

XYZ(30.2996, 14.4978, 52.1226)

Have a look what the booklet for
XYZ(30.2996, 14.4978, 52.1226)
contains.

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Color

**XYZ(30.2311, 14.4598,
52.2366)**

Conversions

Conversions Part 1

Format	Color
Hex	BB00C2
RGB	187, 0, 194
RGB Percent	73%, 0%, 76%
CMY	0.2667, 0.9999, 0.2392
CMYK	0.04, 1.00, 0.00, 0.24
HSL	298°, 100%, 38%
HSV	298°, 100%, 76%
XYZ	30.2311, 14.4598, 52.2366
YIQ	78.0290, 49.1780, 99.9780

Conversions

Conversions Part 2

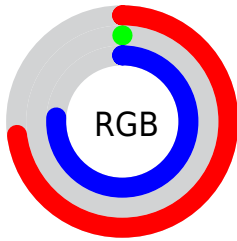
Format	Color
RYB	187, 0, 194
Decimal	12255426
CIELab	44.89, 78.87, -51.59
CIELCh	45, 94.244, 326.809
Yxy	14.4598, 0.3119, 0.1492
Android (android.graphics.Color)	4290445506 (0xFFBB00C2)
YUV	78.0290, 57.1737, 95.5676
Hunter-Lab	38.0260, 75.3638, -54.8288

Details

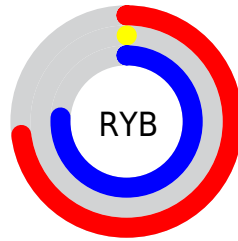
The XYZ color **30.2311, 14.4598, 52.2366** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **19.3798, 38.6291, 6.4353**, and the grayscale version is **7.1384, 7.5101, 8.1785**.

A 20% lighter version of the original color is **59.3427, 33.8839, 94.6793**, and **13.7135, 6.5312, 24.9640** is the 20% darker color. If you saturate the color by 10%, you get **30.2313, 14.4599, 52.2368**, and if you desaturate by 10%, it is **30.6432, 15.0286, 52.3249**.

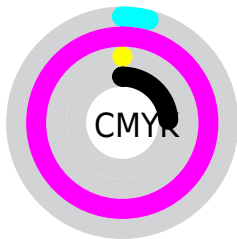
Distribution



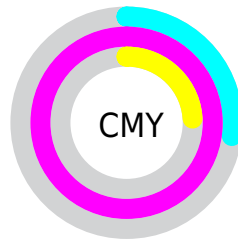
- Red (73%)
- Green (0%)
- Blue (76%)



- Red (73%)
- Yellow (0%)
- Blue (76%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (24%)





- Cyan (27%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2311, 14.4598, 52.2366 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 30.2311, 14.4598, 52.2366 by changing the saturation by 10% instead.

 30.2311, 14.4598,
52.2366

 30.2311, 14.4598,
52.2366

294.8707,
220.0728, 412.3322

 20.1630, 8.4412,
36.8102


 59.4116, 33.9027,
94.9102


 12.6225, 4.3785,
24.7659


 79.2547, 48.0957,
122.9945


 7.2443, 1.8875,
15.6853


 103.0868, 65.7823,
156.1351

 3.6631, 0.5408,
9.1498

 131.2734, 87.3469,
194.7506

 1.5133, 0.0000,
4.7409

 164.1797,
113.1738, 239.2595

 0.3349, 0.0000,
2.0400

 202.1711,

 0.0000, 0.0000,

143.6475, 290.0804

0.5797

245.6130,
179.1524, 347.6318

■ 0.0000, 0.0000,
0.0000

■ 30.2311, 14.4598,
52.2366

■ 30.2311, 14.4598,
52.2366

■ 30.2313, 14.4599,
52.2368

■ 30.6432, 15.0286,
52.3249

■ 31.2953, 16.0767,
52.4928

■ 32.2732, 17.7752,
52.7691

■ 33.6207, 20.2115,
53.1683

■ 35.3748, 23.4599,
53.7029

■ 37.5680, 27.5853,
54.3836

■ 40.2297, 32.6463,
55.2202

■ 43.3864, 38.6961,
56.2215

■ 47.0629, 45.7844,
57.3959

Harmonies

Analogous

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



21.5615, 14.4598, 92.0177



30.2311, 14.4598, 52.2366



34.4614, 14.4598, 18.2250

Triad

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



30.2311, 14.4598, 52.2366



14.5845, 14.4598, 0.0000



4.3116, 14.4598, 43.6583

Complementary

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



30.2311, 14.4598, 52.2366



19.3798, 38.6291, 6.4353

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.



3.6272, 14.4598, 13.4995



30.2311, 14.4598, 52.2366



8.0889, 14.4598, 0.0000

Square

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



30.2311, 14.4598, 52.2366



23.5472, 14.4598, 0.0000



4.7035, 14.4598, 2.0704



7.1270, 14.4598, 84.5684

Rectangle

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



30.2311, 14.4598, 52.2366



33.3485, 14.4598, 6.3899



4.7035, 14.4598, 2.0704



3.8839, 14.4598, 31.4657

Sweetspot

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



30.2317, 14.4605, 52.2369



72.6312, 58.6605, 99.9643



9.8434, 4.1062, 51.3129



15.4318, 11.9436, 21.7419



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.



30.2317, 14.4605, 52.2369



54.7222, 26.1723, 94.6374



24.8870, 12.5252, 14.9357



10.4602, 10.2284, 12.7078



19.8917, 9.5150, 34.3448



0.8709, 0.4170, 1.4845

Inverse Universe

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



22.2869, 11.4852, 1.2438



40.3580, 20.7995, 2.1492



21.0251, 39.2771, 15.5567



10.0876, 10.0836, 10.5518



14.6593, 7.5535, 0.8518



0.6386, 0.3284, 0.0641

Previews

White Background



This preview shows how the XYZ color 30.2311, 14.4598, 52.2366 looks on a white background.

Color Contrast Check

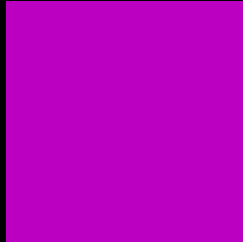
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2311, 14.4598, 52.2366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

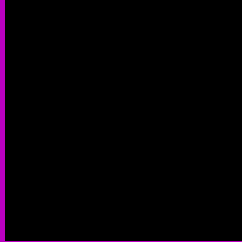
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.2311, 14.4598, 52.2366

Background



This preview shows how black text looks on a background with the XYZ color 30.2311, 14.4598, 52.2366.



This preview shows how white text looks on a background with the XYZ color 30.2311, 14.4598,

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

30.2311, 14.4598, 52.2366

Protanopia

18.1027, 15.3236, 70.4102

Deuteranopia

15.5430, 15.1554, 46.3621



Tritanopia

21.5252, 14.7616, 9.4994

Trichromacy



Original Color

30.2311, 14.4598, 52.2366



Protanomaly

16.1489, 9.9464, 62.6967



Deuteranomaly

16.7000, 10.7445, 47.6481



Tritanomaly

23.1602, 13.1028, 19.7208

Monochromacy



Original Color

30.2311, 14.4598, 52.2366



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.0020, 7.4888, 18.5822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2311, 14.4598, 52.2366 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(187, 0, 194)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 0, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 194) }
```

Border

The CSS property to change the border of an element to XYZ 30.2311, 14.4598, 52.2366 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(187, 0, 194) }
```


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

```
.border{ border-color:rgb(187, 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(187, 0, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 194);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2311, 14.4598, 52.2366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 194) }
```

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

```
.background{ background-color: rgb(187, 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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