

Converting Colors

XYZ(30.3574, 14.2208, 66.0243)

Have a look what the booklet for
XYZ(30.3574, 14.2208, 66.0243)
contains.

XYZ(30.2992, 14.1880, 66.1074)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.2992, 14.1880,
66.1074)**

Conversions

Conversions Part 1

Format	Color
Hex	B000D8
RGB	176, 0, 216
RGB Percent	69%, 0%, 85%
CMY	0.3098, 0.9999, 0.1529
CMYK	0.19, 1.00, 0.00, 0.15
HSL	289°, 100%, 42%
HSV	289°, 100%, 85%
XYZ	30.2992, 14.1880, 66.1074
YIQ	77.2480, 35.5600, 104.4880

Conversions

Conversions Part 2

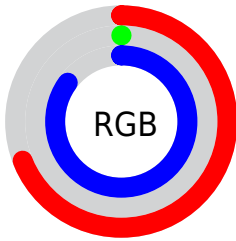
Format	Color
RYB	176, 0, 216
Decimal	11534552
CIELab	44.50, 80.78, -65.04
CIELCh	45, 103.709, 321.160
Yxy	14.1880, 0.2740, 0.1283
Android (android.graphics.Color)	4289724632 (0xFFB000D8)
YUV	77.2480, 68.4047, 86.6055
Hunter-Lab	37.6670, 77.6677, -77.6900

Details

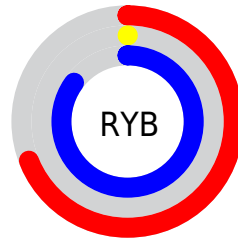
The XYZ color **30.2992, 14.1880, 66.1074** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **25.4316, 49.5633, 8.2267**, and the grayscale version is **6.9741, 7.3373, 7.9903**.

A 20% lighter version of the original color is **56.1318, 32.0323, 97.8321**, and **13.6813, 6.3200, 33.7565** is the 20% darker color. If you saturate the color by 10%, you get **30.2992, 14.1880, 66.1076**, and if you desaturate by 10%, it is **31.4973, 15.2206, 66.2438**.

Distribution



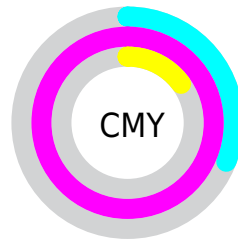
- Red (69%)
- Green (0%)
- Blue (85%)



- Red (69%)
- Yellow (0%)
- Blue (85%)



- Cyan (19%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (31%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2992, 14.1880, 66.1074 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 30.2992, 14.1880, 66.1074 by changing the saturation by 10% instead.


 30.2992, 14.1880,
66.1074


 30.2992, 14.1880,
66.1074


295.1815,
218.3973, 465.1756


 20.2150, 8.2515,
47.9026


 59.5184, 33.4222,
115.2689

 12.6606, 4.2563,
33.3903


 79.3841, 47.4888,
147.0627


 7.2706, 1.8180,
22.1520


 103.2411, 65.0342,
184.2232

 3.6798, 0.4983,
13.7693

 131.4546, 86.4428,
227.1690

 1.5226, 0.0000,
7.8235

 164.3900,
112.0990, 276.3186

 0.3411, 0.0000,
3.8960

 202.4127,

 0.0000, 0.0000,

142.3872, 332.0905

1.5685

245.8881,
177.6918, 394.9033

■ 0.0000, 0.0000,
0.2682

■ 0.0000, 0.0000,
0.0000

■ 30.2992, 14.1880,
66.1074

■ 30.2992, 14.1880,
66.1074

■ 30.2992, 14.1880,
66.1076

■ 31.4973, 15.2206,
66.2438

■ 33.0341, 16.8919,
66.4854

■ 35.0140, 19.4088,
66.8669

■ 37.4945, 22.8865,
67.4074

■ 40.5244, 27.4220,
68.1231

■ 44.1462, 33.1003,
69.0283

■ 48.3984, 39.9978,
70.1355

■ 53.3159, 48.1840,
71.4564

■ 58.9310, 57.7235,
73.0018

Harmonies

Analogous

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



20.1665, 14.1880, 110.5719



30.2992, 14.1880, 66.1074



36.4481, 14.1880, 23.6660

Triad

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



30.2992, 14.1880, 66.1074



16.1118, 14.1880, 0.0000



3.3580, 14.1880, 38.7641

Complementary

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



30.2992, 14.1880, 66.1074



25.4316, 49.5633, 8.2267

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.



3.0166, 14.1880, 9.3943



30.2992, 14.1880, 66.1074



8.4715, 14.1880, 0.0000

Square

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



30.2992, 14.1880, 66.1074



26.3009, 14.1880, 0.0000



4.4347, 14.1880, 0.8170



5.7026, 14.1880, 86.3037

Rectangle

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



30.2992, 14.1880, 66.1074



36.2291, 14.1880, 8.1362



4.4347, 14.1880, 0.8170



3.0584, 14.1880, 26.1927

Sweetspot

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



30.2999, 14.1886, 66.1077



70.2888, 57.9316, 102.0850



13.2665, 6.7011, 65.5603



14.4584, 11.4417, 21.6964



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.



30.2999, 14.1886, 66.1077



43.9998, 20.5976, 96.2644



33.9217, 16.8403, 30.8279



12.7171, 12.5111, 15.6821



18.0191, 8.4417, 39.1329



1.1466, 0.5400, 2.3631

Inverse Universe

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



28.7024, 14.7526, 3.3433



41.7576, 21.4670, 4.6556



25.5048, 49.4915, 13.1807



12.5163, 12.4580, 13.3929



17.0178, 8.7434, 2.1317



1.0550, 0.5388, 0.2789

Previews

White Background



This preview shows how the XYZ color 30.2992, 14.1880, 66.1074 looks on a white background.

Color Contrast Check

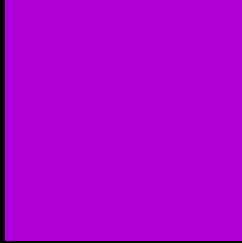
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2992, 14.1880, 66.1074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

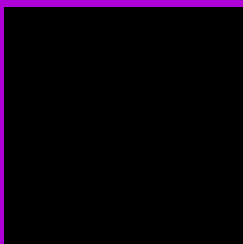
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.2992, 14.1880, 66.1074

Background



This preview shows how black text looks on a background with the XYZ color 30.2992, 14.1880, 66.1074.



This preview shows how white text looks on a background with the XYZ color 30.2992, 14.1880,

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

30.2992, 14.1880, 66.1074

Protanopia

17.5051, 14.7625, 68.2565

Deuteranopia

14.9831, 14.7430, 51.9252



Tritanopia

19.2374, 14.5214, 11.6865

Trichromacy



Original Color

30.2992, 14.1880, 66.1074



Protanomaly

16.5870, 9.9962, 66.7009



Deuteranomaly

14.7851, 9.5633, 56.3250



Tritanomaly

21.2802, 12.4152, 24.5673

Monochromacy



Original Color

30.2992, 14.1880, 66.1074



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.8046, 7.2658, 21.2023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2992, 14.1880, 66.1074 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(176, 0, 216)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 216)  
}
```

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(176, 0, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 216) }
```

Border

The CSS property to change the border of an element to XYZ 30.2992, 14.1880, 66.1074 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(176, 0, 216) }
```


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

```
.border{ border-color:rgb(176, 0, 216) }
```

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

Here you see how a box with a 4 pixel rgb(176, 0, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 216);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2992, 14.1880, 66.1074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 216) }
```

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

```
.background{ background-color: rgb(176, 0,  
216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

[@ConvertingColor](#)