

Converting Colors

XYZ(30.4869, 14.1958, 70.1351)

Have a look what the booklet for
XYZ(30.4869, 14.1958, 70.1351)
contains.

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Color

**XYZ(30.4184, 14.1582,
70.2368)**

Conversions

Conversions Part 1

Format	Color
Hex	AD00DE
RGB	173, 0, 222
RGB Percent	68%, 0%, 87%
CMY	0.3216, 0.9999, 0.1294
CMYK	0.22, 1.00, 0.00, 0.13
HSL	287°, 100%, 44%
HSV	287°, 100%, 87%
XYZ	30.4184, 14.1582, 70.2368
YIQ	77.0350, 31.8460, 105.7180

Conversions

Conversions Part 2

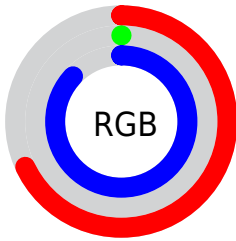
Format	Color
RYB	173, 0, 222
Decimal	11337950
CIELab	44.46, 81.41, -68.57
CIELCh	44, 106.438, 319.893
Yxy	14.1582, 0.2649, 0.1233
Android (android.graphics.Color)	4289528030 (0xFFAD00DE)
YUV	77.0350, 71.4677, 84.1613
Hunter-Lab	37.6274, 78.4535, -84.3339

Details

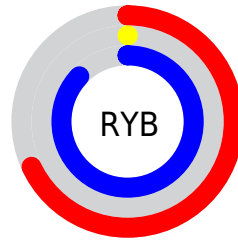
The XYZ color **30.4184, 14.1582, 70.2368** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **27.3886, 52.8960, 8.7668**, and the grayscale version is **6.9297, 7.2906, 7.9395**.

A 20% lighter version of the original color is **55.1440, 31.5231, 97.7859**, and **13.8224, 6.3306, 36.5698** is the 20% darker color. If you saturate the color by 10%, you get **30.4184, 14.1581, 70.2371**, and if you desaturate by 10%, it is **31.8136, 15.3094, 70.3857**.

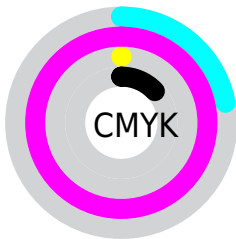
Distribution



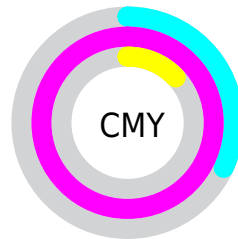
- Red (68%)
- Green (0%)
- Blue (87%)



- Red (68%)
- Yellow (0%)
- Blue (87%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)



- Cyan (32%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4184, 14.1582, 70.2368 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 30.4184, 14.1582, 70.2368 by changing the saturation by 10% instead.

 30.4184, 14.1582,
70.2368


 30.4184, 14.1582,
70.2368


295.7248,
218.2128, 480.1926


 20.3060, 8.2308,
51.2416


 59.7053, 33.3695,
121.2307


 12.7272, 4.2430,
36.0229


 79.6106, 47.4221,
154.0664

 7.3167, 1.8104,
24.1620


 103.5109, 64.9519,
192.3528

 3.7090, 0.4936,
15.2405

 131.7715, 86.3433,
236.5083

 1.5389, 0.0000,
8.8399

 164.7579,
111.9807, 286.9515

 0.3521, 0.0000,
4.5415

 202.8353,

 0.0000, 0.0000,

142.2485, 344.1009

1.9269

246.3692,
177.5311, 408.3751

■ 0.0000, 0.0000,
0.5097

■ 0.0000, 0.0000,
0.0000

■ 30.4184, 14.1582,
70.2368

■ 30.4184, 14.1582,
70.2368

■ 30.4184, 14.1581,
70.2371

■ 31.8136, 15.3094,
70.3857

■ 33.5825, 17.1493,
70.6476

■ 35.8349, 19.8960,
71.0591

■ 38.6329, 23.6729,
71.6406

■ 42.0286, 28.5840,
72.4096

■ 46.0679, 34.7202,
73.3811

■ 50.7919, 42.1635,
74.5688

■ 56.2383, 50.9882,
75.9851

■ 62.4418, 61.2635,
77.6415

Harmonies

Analogous

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



19.8835, 14.1582, 116.1029



30.4184, 14.1582, 70.2368



37.0922, 14.1582, 25.2762

Triad

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



30.4184, 14.1582, 70.2368



16.5628, 14.1582, 0.0000



3.1445, 14.1582, 37.7140

Complementary

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



30.4184, 14.1582, 70.2368



27.3886, 52.8960, 8.7668

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.



2.8763, 14.1582, 8.5253



30.4184, 14.1582, 70.2368



8.5899, 14.1582, 0.0000

Square

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



30.4184, 14.1582, 70.2368



27.1194, 14.1582, 0.0000



4.3749, 14.1582, 0.5652



5.3844, 14.1582, 87.0851

Rectangle

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



30.4184, 14.1582, 70.2368



37.1131, 14.1582, 8.6425



4.3749, 14.1582, 0.5652



2.8725, 14.1582, 25.0361

Sweetspot

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



30.4191, 14.1587, 70.2371



69.3685, 57.4571, 102.0420



14.4045, 7.7131, 69.8371



14.2364, 11.3273, 21.6860



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.



30.4191, 14.1587, 70.2371



41.5277, 19.3232, 96.1487



36.7177, 18.1672, 36.1296



13.9836, 13.7751, 17.3095



18.1667, 8.4606, 41.7239



1.3332, 0.6246, 2.8955

Inverse Universe

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



30.6791, 15.7518, 4.3304



41.9608, 21.5483, 5.7256



26.9164, 52.5608, 12.8928



13.8305, 13.7498, 14.8775



18.2567, 9.3697, 2.7516



1.2989, 0.6628, 0.3669

Previews

White Background



This preview shows how the XYZ color 30.4184, 14.1582, 70.2368 looks on a white background.

Color Contrast Check

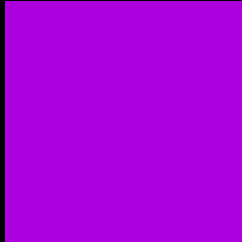
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.4184, 14.1582, 70.2368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

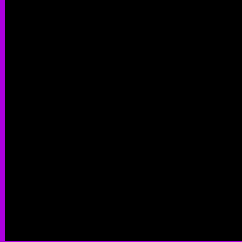
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.4184, 14.1582, 70.2368

Background



This preview shows how black text looks on a background with the XYZ color 30.4184, 14.1582, 70.2368.



This preview shows how white text looks on a background with the XYZ color 30.4184, 14.1582,

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

30.4184, 14.1582, 70.2368

Protanopia

17.5051, 14.7625, 68.2565

Deuteranopia

14.7629, 14.6550, 50.7658



Tritanopia

18.7104, 14.4767, 12.1641

Trichromacy



Original Color

30.4184, 14.1582, 70.2368



Protanomaly

16.7843, 10.0677, 68.0765



Deuteranomaly

14.8387, 9.5773, 56.9436



Tritanomaly

20.7978, 12.2029, 26.0702

Monochromacy



Original Color

30.4184, 14.1582, 70.2368



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.8097, 7.2531, 21.8966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4184, 14.1582, 70.2368 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(173, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 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(173, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 222) }
```

Border

The CSS property to change the border of an element to XYZ 30.4184, 14.1582, 70.2368 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(173, 0, 222) }
```


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

```
.border{ border-color:rgb(173, 0, 222) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4184, 14.1582, 70.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 222) }
```

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

```
.background{ background-color: rgb(173, 0,  
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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