

Converting Colors

XYZ(30.9098, 15.2406, 32.8031)

Have a look what the booklet for
XYZ(30.9098, 15.2406, 32.8031)
contains.

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Color

**XYZ(30.9026, 15.2377,
32.7649)**

Conversions

Conversions Part 1

Format	Color
Hex	CC009C
RGB	204, 0, 156
RGB Percent	80%, 0%, 61%
CMY	0.2000, 0.9999, 0.3882
CMYK	0.00, 1.00, 0.24, 0.20
HSL	314°, 100%, 40%
HSV	314°, 100%, 80%
XYZ	30.9026, 15.2377, 32.7649
YIQ	78.7800, 71.5080, 91.7640

Conversions

Conversions Part 2

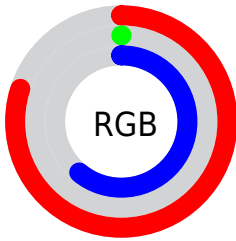
Format	Color
R_{YB}	204, 0, 156
Decimal	13369500
CIE _{Lab}	45.96, 76.75, -27.20
CIE _{LCh}	46, 81.429, 340.487
Yxy	15.2377, 0.3916, 0.1931
Android (android.graphics.Color)	4291559580 (0xFFCC009C)
YUV	78.7800, 38.0695, 109.8179
Hunter-Lab	39.0355, 72.9981, -22.4409

Details

The XYZ color **30.9026, 15.2377, 32.7649** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.1277, 43.3998, 10.0110**, and the grayscale version is **7.3137, 7.6945, 8.3793**.

A 20% lighter version of the original color is **56.6540, 33.2755, 65.0648**, and **14.1757, 7.0192, 13.7044** is the 20% darker color. If you saturate the color by 10%, you get **30.9020, 15.2374, 32.7613**, and if you desaturate by 10%, it is **31.5754, 15.9195, 35.0349**.

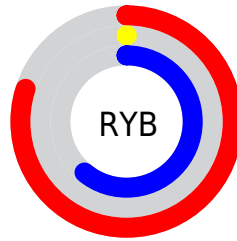
Distribution



Red (80%)

Green (0%)

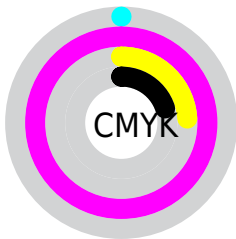
Blue (61%)



Red (80%)

Yellow (0%)

Blue (61%)

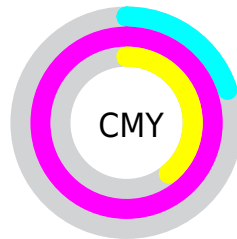


Cyan (0%)

Magenta (100%)

Yellow (24%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9026, 15.2377, 32.7649 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 30.9026, 15.2377, 32.7649 by changing the saturation by 10% instead.

 30.9026, 15.2377,
32.7649


 30.9026, 15.2377,
32.7649


297.9242,
224.8005, 329.1885

 20.6762, 8.9864,
21.6768


 60.4636, 35.2696,
65.1201


 12.9986, 4.7323,
13.4235


 80.5288, 49.8190,
87.2242


 7.5046, 2.0911,
7.5867


 104.6044, 67.9033,
113.8374

 3.8287, 0.6596,
3.7477

 133.0556, 89.9067,
145.3782

 1.6057, 0.0000,
1.4880

 166.2478,
116.2138, 182.2652

 0.3961, 0.0000,
0.2089

 204.5465,

 0.0000, 0.0000,

147.2088, 224.9169

0.0000

248.3168,
183.2762, 273.7518

■ 30.9026, 15.2377,
32.7649

■ 30.9026, 15.2377,
32.7649

■ 30.9020, 15.2374,
32.7613

■ 31.5754, 15.9195,
35.0349

■ 32.5357, 17.1506,
37.4808

■ 33.8772, 19.1177,
40.1349

■ 35.6498, 21.9204,
43.0145

■ 37.8956, 25.6428,
46.1347

■ 40.6516, 30.3584,
49.5085

■ 43.9511, 36.1337,
53.1479

■ 47.8245, 43.0292,
57.0638

■ 52.3000, 51.1007,
61.2665

Harmonies

Analogous

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



24.8998, 15.2377, 65.4097



30.9026, 15.2377, 32.7649



31.8056, 15.2377, 10.5993

Triad

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



30.9026, 15.2377, 32.7649



12.2030, 15.2377, 0.0000



6.5632, 15.2377, 55.4292

Complementary

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



30.9026, 15.2377, 32.7649



22.1277, 43.3998, 10.0110

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.



4.9716, 15.2377, 24.4996



30.9026, 15.2377, 32.7649



7.4719, 15.2377, 1.2314

Square

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



30.9026, 15.2377, 32.7649



19.3740, 15.2377, 0.1738



5.2408, 15.2377, 6.8711



10.4933, 15.2377, 84.2019

Rectangle

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



30.9026, 15.2377, 32.7649



29.1617, 15.2377, 3.8267



5.2408, 15.2377, 6.8711



5.8036, 15.2377, 44.2445

Sweetspot

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



30.9031, 15.2385, 32.7652



72.5457, 59.4144, 87.7629



12.1010, 4.9798, 57.4504



15.0074, 11.8022, 18.2238



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.



30.9031, 15.2385, 32.7652



51.0891, 25.1997, 53.7948



25.5783, 13.1086, 4.7249



11.5702, 11.3568, 13.5375



19.4876, 9.6056, 20.8180



1.0334, 0.5068, 1.2219

Inverse Universe

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



30.9031, 15.2385, 32.7652



51.0891, 25.1997, 53.7948



27.0671, 45.3756, 36.0215



11.5702, 11.3568, 13.5375



19.4876, 9.6056, 20.8180



1.0334, 0.5068, 1.2219

Previews

White Background



This preview shows how the XYZ color 30.9026, 15.2377, 32.7649 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 30.9026, 15.2377, 32.7649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

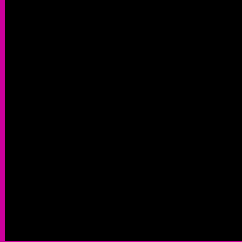
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.9026, 15.2377, 32.7649

Background



This preview shows how black text looks on a background with the XYZ color 30.9026, 15.2377, 32.7649.



This preview shows how white text looks on a background with the XYZ color 30.9026, 15.2377,

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

30.9026, 15.2377, 32.7649

Protanopia

19.1356, 16.1466, 71.2153

Deuteranopia

16.2505, 15.8962, 29.4059



Tritanopia

25.6488, 15.5895, 6.6582

Trichromacy



Original Color

30.9026, 15.2377, 32.7649



Protanomaly

17.0840, 10.6983, 54.5906



Deuteranomaly

18.4484, 12.0337, 30.2046



Tritanomaly

26.7495, 14.6122, 12.9659

Monochromacy



Original Color

30.9026, 15.2377, 32.7649



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.1066, 7.6278, 14.7441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9026, 15.2377, 32.7649 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(204, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 156)  
}
```

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(204, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 156) }
```

Border

The CSS property to change the border of an element to XYZ 30.9026, 15.2377, 32.7649 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(204, 0, 156) }
```


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

```
.border{ border-color:rgb(204, 0, 156) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9026, 15.2377, 32.7649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 156) }
```

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

```
.background{ background-color: rgb(204, 0,  
156) }
```

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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