

Converting Colors

XYZ(30.7360, 15.0984, 35.1714)

Have a look what the booklet for
XYZ(30.7360, 15.0984, 35.1714)
contains.

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Color

**XYZ(30.7901, 15.1298,
35.0157)**

Conversions

Conversions Part 1

Format	Color
Hex	CA00A1
RGB	202, 0, 161
RGB Percent	79%, 0%, 63%
CMY	0.2078, 0.9999, 0.3686
CMYK	0.00, 1.00, 0.20, 0.21
HSL	312°, 100%, 40%
HSV	312°, 100%, 79%
XYZ	30.7901, 15.1298, 35.0157
YIQ	78.7520, 68.7110, 92.8950

Conversions

Conversions Part 2

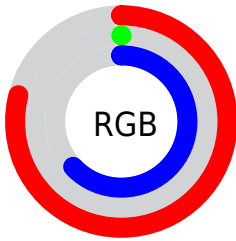
Format	Color
R_{YB}	202, 0, 161
Decimal	13238433
CIE _{Lab}	45.81, 76.97, -30.45
CIE _{LCh}	46, 82.772, 338.413
Yxy	15.1298, 0.3804, 0.1869
Android (android.graphics.Color)	4291428513 (0xFFCA00A1)
YUV	78.7520, 40.5483, 108.0885
Hunter-Lab	38.8970, 73.2271, -26.1458

Details

The XYZ color **30.7901, 15.1298, 35.0157** 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 **21.5219, 42.4018, 9.1512**, and the grayscale version is **7.3042, 7.6846, 8.3685**.

A 20% lighter version of the original color is **57.2908, 33.5302, 68.4182**, and **14.0880, 6.9438, 15.0658** is the 20% darker color. If you saturate the color by 10%, you get **30.7896, 15.1295, 35.0124**, and if you desaturate by 10%, it is **31.4123, 15.7856, 37.0368**.

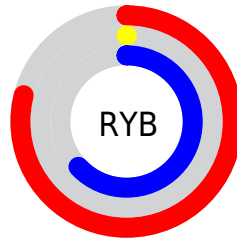
Distribution



Red (79%)

Green (0%)

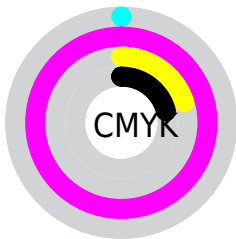
Blue (63%)



Red (79%)

Yellow (0%)

Blue (63%)

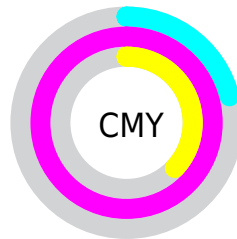


Cyan (0%)

Magenta (100%)

Yellow (20%)

Black (21%)



Cyan (21%)


Magenta (100%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7901, 15.1298, 35.0157 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 30.7901, 15.1298, 35.0157 by changing the saturation by 10% instead.

 30.7901, 15.1298,
35.0157


 30.7901, 15.1298,
35.0157


297.4143,
224.1505, 339.5440

 20.5901, 8.9105,
23.3913


 60.2875, 35.0807,
68.6619


 12.9355, 4.6829,
14.6747


 80.3157, 49.5812,
91.5209


 7.4608, 2.0624,
8.4473


 104.3506, 67.6108,
118.9617

 3.8008, 0.6434,
4.2906

 132.7577, 89.5540,
151.4031

 1.5901, 0.0000,
1.7861

 165.9023,
115.7952, 189.2634

 0.3859, 0.0000,
0.4188

 204.1496,

 0.0000, 0.0000,

146.7187, 232.9613

0.0000

247.8652,
182.7091, 282.9154

■ 30.7901, 15.1298,
35.0157

■ 30.7901, 15.1298,
35.0157

■ 30.7896, 15.1295,
35.0124

■ 31.4123, 15.7856,
37.0368

■ 32.3112, 16.9759,
39.2092

■ 33.5787, 18.8842,
41.5640

■ 35.2635, 21.6076,
44.1181

■ 37.4067, 25.2280,
46.8856

■ 40.0443, 29.8173,
49.8791

■ 43.2086, 35.4402,
53.1098

■ 46.9294, 42.1557,
56.5883

■ 51.2340, 50.0185,
60.3240

Harmonies

Analogous

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



24.4188, 15.1298, 68.5666



30.7901, 15.1298, 35.0157



32.1312, 15.1298, 11.4718

Triad

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



30.7901, 15.1298, 35.0157



12.5072, 15.1298, 0.0000



6.2276, 15.1298, 53.6836

Complementary

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



30.7901, 15.1298, 35.0157



21.5219, 42.4018, 9.1512

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.



4.7792, 15.1298, 22.7522



30.7901, 15.1298, 35.0157



7.5569, 15.1298, 0.9880

Square

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



30.7901, 15.1298, 35.0157



19.8966, 15.1298, 0.1411



5.1713, 15.1298, 6.0027



9.9915, 15.1298, 84.1488

Rectangle

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



30.7901, 15.1298, 35.0157



29.6832, 15.1298, 4.1278



5.1713, 15.1298, 6.0027



5.5199, 15.1298, 42.3195

Sweetspot

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



30.7906, 15.1306, 35.0160



72.9096, 59.5599, 89.6793



11.5529, 4.7248, 56.1803



15.0951, 11.8373, 18.6855



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.



30.7906, 15.1306, 35.0160



52.0473, 25.5829, 58.8406



25.1898, 12.8903, 5.5226



11.5862, 11.3632, 13.6213



19.8453, 9.7487, 22.7020



1.0492, 0.5131, 1.3048

Inverse Universe

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



30.7906, 15.1306, 35.0160



52.0473, 25.5829, 58.8406



25.9594, 44.1768, 32.5187



11.5862, 11.3632, 13.6213



19.8453, 9.7487, 22.7020



1.0492, 0.5131, 1.3048

Previews

White Background



This preview shows how the XYZ color 30.7901, 15.1298, 35.0157 looks on a white background.

Color Contrast Check

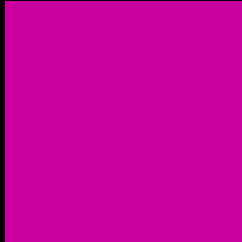
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7901, 15.1298, 35.0157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

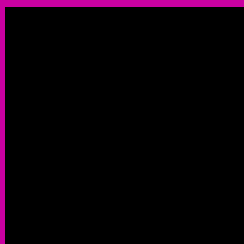
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.7901, 15.1298, 35.0157

Background



This preview shows how black text looks on a background with the XYZ color 30.7901, 15.1298, 35.0157.



This preview shows how white text looks on a background with the XYZ color 30.7901, 15.1298,

35.0157.

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

30.7901, 15.1298, 35.0157

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

16.0916, 15.7683, 31.4736



Tritanopia

25.0388, 15.4296, 6.9687

Trichromacy



Original Color

30.7901, 15.1298, 35.0157



Protanomaly

15.5943, 9.8625, 57.5817



Deuteranomaly

18.1979, 11.8570, 32.3399



Tritanomaly

26.1337, 14.3275, 13.7000

Monochromacy



Original Color

30.7901, 15.1298, 35.0157



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2131, 7.6704, 15.3048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7901, 15.1298, 35.0157 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(202, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 161)  
}
```

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(202, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 161) }
```

Border

The CSS property to change the border of an element to XYZ 30.7901, 15.1298, 35.0157 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(202, 0, 161) }
```


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

```
.border{ border-color:rgb(202, 0, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 0, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(202, 0,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7901, 15.1298, 35.0157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 161) }
```

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

```
.background{ background-color: rgb(202, 0,  
161) }
```

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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