

Converting Colors

XYZ(30.9749, 15.1077, 40.3227)

Have a look what the booklet for
XYZ(30.9749, 15.1077, 40.3227)
contains.

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Color

**XYZ(30.9996, 15.1207,
40.3144)**

Conversions

Conversions Part 1

Format	Color
Hex	C700AC
RGB	199, 0, 172
RGB Percent	78%, 0%, 67%
CMY	0.2196, 0.9999, 0.3255
CMYK	0.00, 1.00, 0.14, 0.22
HSL	308°, 100%, 39%
HSV	308°, 100%, 78%
XYZ	30.9996, 15.1207, 40.3144
YIQ	79.1090, 63.3920, 95.6800

Conversions

Conversions Part 2

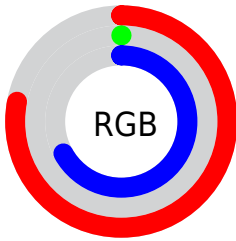
Format	Color
R_{YB}	199, 0, 172
Decimal	13041836
CIE _{Lab}	45.80, 77.80, -37.06
CIE _{LCh}	46, 86.175, 334.526
Yxy	15.1207, 0.3586, 0.1749
Android (android.graphics.Color)	4291231916 (0xFFC700AC)
YUV	79.1090, 45.7953, 105.1444
Hunter-Lab	38.8853, 74.2518, -34.2492

Details

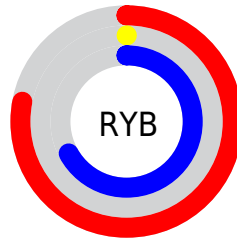
The XYZ color **30.9996, 15.1207, 40.3144** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **20.6222, 40.9267, 7.8516**, and the grayscale version is **7.3626, 7.7460, 8.4354**.

A 20% lighter version of the original color is **58.8998, 34.1738, 76.8906**, and **14.1450, 6.9074, 18.0405** is the 20% darker color. If you saturate the color by 10%, you get **30.9994, 15.1206, 40.3124**, and if you desaturate by 10%, it is **31.5108, 15.7235, 41.7776**.

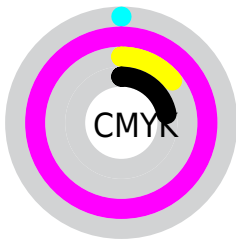
Distribution



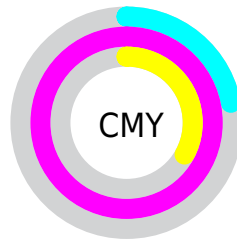
- Red (78%)
- Green (0%)
- Blue (67%)



- Red (78%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9996, 15.1207, 40.3144 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 30.9996, 15.1207, 40.3144 by changing the saturation by 10% instead.


 30.9996, 15.1207,
40.3144


 30.9996, 15.1207,
40.3144


298.3634,
224.0956, 363.0384

 20.7504, 8.9041,
27.4681


 60.6153, 35.0648,
76.8844


 13.0531, 4.6787,
17.6896


 80.7125, 49.5611,
101.4451


 7.5424, 2.0600,
10.5602


 104.8230, 67.5861,
130.7477

 3.8529, 0.6420,
5.6615

 133.3122, 89.5242,
165.2108

 1.6192, 0.0000,
2.5749

 166.5455,
115.7599, 205.2529

 0.4049, 0.0000,
0.8795

 204.8882,

 0.0000, 0.0000,

146.6774, 251.2925

0.0000

248.7057,
182.6612, 303.7481

■ 30.9996, 15.1207,
40.3144

■ 30.9996, 15.1207,
40.3144

■ 30.9994, 15.1206,
40.3124

■ 31.5108, 15.7235,
41.7776

■ 32.2824, 16.8388,
43.3537

■ 33.4038, 18.6453,
45.0727

■ 34.9218, 21.2364,
46.9503

■ 36.8759, 24.6910,
48.9999

■ 39.3007, 29.0785,
51.2332

■ 42.2275, 34.4610,
53.6606

■ 45.6846, 40.8956,
56.2919

■ 49.6985, 48.4347,
59.1359

Harmonies

Analogous

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



23.8155, 15.1207, 76.1744



30.9996, 15.1207, 40.3144



33.2428, 15.1207, 13.5085

Triad

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



30.9996, 15.1207, 40.3144



13.2989, 15.1207, 0.0000



5.6710, 15.1207, 51.0692

Complementary

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



30.9996, 15.1207, 40.3144



20.6222, 40.9267, 7.8516

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.



4.4693, 15.1207, 19.8216



30.9996, 15.1207, 40.3144



7.8272, 15.1207, 0.5570

Square

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



30.9996, 15.1207, 40.3144



21.2443, 15.1207, 0.0816



5.0992, 15.1207, 4.5663



9.1687, 15.1207, 85.2666

Rectangle

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



30.9996, 15.1207, 40.3144



31.1627, 15.1207, 4.8258



5.0992, 15.1207, 4.5663



5.0505, 15.1207, 39.2360

Sweetspot

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



31.0002, 15.1215, 40.3147



73.6833, 59.8694, 93.7538



10.7497, 4.3513, 54.3066



15.2821, 11.9121, 19.6703



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.



31.0002, 15.1215, 40.3147



54.2108, 26.4483, 70.2332



24.7559, 12.6238, 7.4329



11.0188, 10.7909, 13.0823



19.9569, 9.7323, 26.0468



0.9625, 0.4679, 1.3259

Inverse Universe

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



31.0002, 15.1215, 40.3147



54.2108, 26.4483, 70.2332



24.1928, 42.3549, 26.6542



11.0188, 10.7909, 13.0823



19.9569, 9.7323, 26.0468



0.9625, 0.4679, 1.3259

Previews

White Background



This preview shows how the XYZ color 30.9996, 15.1207, 40.3144 looks on a white background.

Color Contrast Check

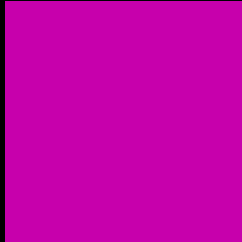
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9996, 15.1207, 40.3144 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 30.9996, 15.1207, 40.3144

Background



This preview shows how black text looks on a background with the XYZ color 30.9996, 15.1207, 40.3144.



This preview shows how white text looks on a background with the XYZ color 30.9996, 15.1207,

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

30.9996, 15.1207, 40.3144

Protanopia

18.9852, 16.0064, 74.0404

Deuteranopia

16.1288, 15.8489, 35.9273



Tritanopia

24.4720, 15.5493, 7.8424

Trichromacy



Original Color

30.9996, 15.1207, 40.3144



Protanomaly

15.8802, 9.9682, 59.4796



Deuteranomaly

18.0350, 11.7641, 36.9175



Tritanomaly

25.5630, 14.1479, 15.5709

Monochromacy



Original Color

30.9996, 15.1207, 40.3144



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2896, 7.6844, 16.4583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9996, 15.1207, 40.3144 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(199, 0, 172)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 172)  
}
```

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(199, 0, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 172) }
```

Border

The CSS property to change the border of an element to XYZ 30.9996, 15.1207, 40.3144 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(199, 0, 172) }
```


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

```
.border{ border-color:rgb(199, 0, 172) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 172);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9996, 15.1207, 40.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 172) }
```

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

```
.background{ background-color: rgb(199, 0,  
172) }
```

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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