

Converting Colors

XYZ(30.9663, 15.2631, 33.1002)

Have a look what the booklet for
XYZ(30.9663, 15.2631, 33.1002)
contains.

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Color

**XYZ(30.9876, 15.2717,
33.2128)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | CC009D |
| RGB | 204, 0, 157 |
| RGB Percent | 80%, 0%, 62% |
| CMY | 0.2000, 0.9999, 0.3843 |
| CMYK | 0.00, 1.00, 0.23, 0.20 |
| HSL | 314°, 100%, 40% |
| HSV | 314°, 100%, 80% |
| XYZ | 30.9876, 15.2717, 33.2128 |
| YIQ | 78.8940, 71.1870, 92.0750 |

Conversions

Conversions Part 2

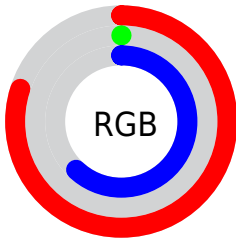
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 204, 0, 157 |
| Decimal | 13369501 |
| CIELab | 46.00, 76.87, -27.73 |
| CIElCh | 46, 81.717, 340.165 |
| Yxy | 15.2717, 0.3899, 0.1922 |
| Android (android.graphics.Color) | 4291559581 (0xFFCC009D) |
| YUV | 78.8940, 38.5063, 109.7180 |
| Hunter-Lab | 39.0790, 73.1528, -23.0346 |

Details

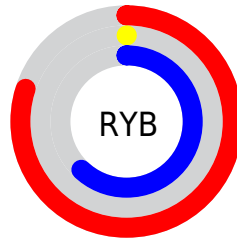
The XYZ color **30.9876, 15.2717, 33.2128** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.1072, 43.3916, 9.9034**, and the grayscale version is **7.3346, 7.7166, 8.4033**.

A 20% lighter version of the original color is **56.7798, 33.3258, 65.7272**, and **14.2269, 7.0397, 13.9736** is the 20% darker color. If you saturate the color by 10%, you get **30.9870, 15.2714, 33.2092**, and if you desaturate by 10%, it is **31.6549, 15.9513, 35.4538**.

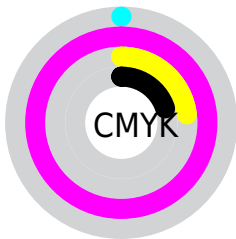
Distribution



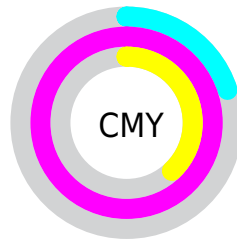
- Red (80%)
- Green (0%)
- Blue (62%)



- Red (80%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9876, 15.2717, 33.2128 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 30.9876, 15.2717, 33.2128 by changing the saturation by 10% instead.

 30.9876, 15.2717,
33.2128


 30.9876, 15.2717,
33.2128

298.3091,
225.0049, 331.2689

 20.7412, 9.0103,
22.0171


 60.5965, 35.3291,
65.8275


 13.0463, 4.7479,
13.6710


 80.6897, 49.8939,
88.0835


 7.5377, 2.1001,
7.7561


 104.7959, 67.9953,
114.8633

 3.8499, 0.6647,
3.8537

 133.2805, 90.0177,
146.5855

 1.6176, 0.0000,
1.5455

 166.5087,
116.3454, 183.6686

 0.4038, 0.0000,
0.2514

 204.8460,

 0.0000, 0.0000,

147.3630, 226.5312

0.0000

248.6577,
183.4547, 275.5918

■ 30.9876, 15.2717,
33.2128

■ 30.9876, 15.2717,
33.2128

■ 30.9870, 15.2714,
33.2092

■ 31.6549, 15.9513,
35.4538

■ 32.6091, 17.1799,
37.8674

■ 33.9438, 19.1444,
40.4857

■ 35.7089, 21.9441,
43.3261

■ 37.9465, 25.6632,
46.4034

■ 40.6938, 30.3753,
49.7309

■ 43.9838, 36.1468,
53.3202

■ 47.8470, 43.0382,
57.1824

■ 52.3115, 51.1053,
61.3275

Harmonies

Analogous

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



24.9080, 15.2717, 66.1044



30.9876, 15.2717, 33.2128



31.9607, 15.2717, 10.7656

Triad

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



30.9876, 15.2717, 33.2128



12.2900, 15.2717, 0.0000



6.5327, 15.2717, 55.3417

Complementary

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



30.9876, 15.2717, 33.2128



22.1072, 43.3916, 9.9034

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.



4.9583, 15.2717, 24.3067



30.9876, 15.2717, 33.2128



7.5098, 15.2717, 1.1959

Square

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



30.9876, 15.2717, 33.2128



19.5180, 15.2717, 0.1712



5.2476, 15.2717, 6.7555



10.4500, 15.2717, 84.4717

Rectangle

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



30.9876, 15.2717, 33.2128



29.3380, 15.2717, 3.8848



5.2476, 15.2717, 6.7555



5.7788, 15.2717, 44.0914

Sweetspot

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



30.9881, 15.2725, 33.2131



72.6005, 59.4363, 88.0519



11.9480, 4.9010, 57.4431



15.0206, 11.8075, 18.2933



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.



30.9881, 15.2725, 33.2131



51.2311, 25.2565, 54.5426



25.6616, 13.1419, 5.1639



11.5727, 11.3578, 13.5502



19.5406, 9.6268, 21.0974



1.0358, 0.5077, 1.2343

Inverse Universe

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



30.9881, 15.2725, 33.2131



51.2311, 25.2565, 54.5426



26.7981, 45.2679, 34.6052



11.5727, 11.3578, 13.5502



19.5406, 9.6268, 21.0974



1.0358, 0.5077, 1.2343

Previews

White Background



This preview shows how the XYZ color 30.9876, 15.2717, 33.2128 looks on a white background.

Color Contrast Check

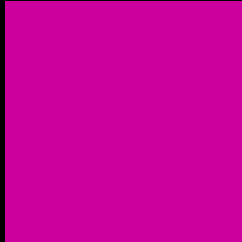
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9876, 15.2717, 33.2128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

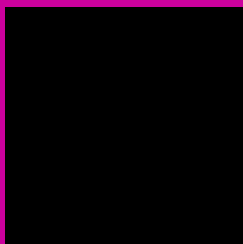
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.9876, 15.2717, 33.2128

Background



This preview shows how black text looks on a background with the XYZ color 30.9876, 15.2717, 33.2128.



This preview shows how white text looks on a background with the XYZ color 30.9876, 15.2717,

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

30.9876, 15.2717, 33.2128

Protanopia

19.1726, 16.1502, 71.9188

Deuteranopia

16.2146, 15.8686, 29.8121



Tritanopia

25.7027, 15.6972, 6.6762

Trichromacy



Original Color

30.9876, 15.2717, 33.2128



Protanomaly

17.0952, 10.6907, 55.1953



Deuteranomaly

18.3615, 11.9796, 30.6227



Tritanomaly

26.7495, 14.6122, 12.9659

Monochromacy



Original Color

30.9876, 15.2717, 33.2128



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 30.9876, 15.2717, 33.2128 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 157) }
```

Border

The CSS property to change the border of an element to XYZ 30.9876, 15.2717, 33.2128 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, 157) }
```


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

```
.border{ border-color:rgb(204, 0, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9876, 15.2717, 33.2128 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, 157) }
```

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

```
.background{ background-color: rgb(204, 0,  
157) }
```

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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