

Converting Colors

XYZ(28.8675, 13.2198, 32.6765)

Have a look what the booklet for
XYZ(28.8675, 13.2198, 32.6765)
contains.

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Color

**XYZ(29.5539, 14.5424,
32.7018)**

Conversions

Conversions Part 1

Format	Color
Hex	C7009C
RGB	199, 0, 156
RGB Percent	78%, 0%, 61%
CMY	0.2196, 0.9999, 0.3882
CMYK	0.00, 1.00, 0.22, 0.22
HSL	313°, 100%, 39%
HSV	313°, 100%, 78%
XYZ	29.5539, 14.5424, 32.7018
YIQ	77.2850, 68.5280, 90.7040

Conversions

Conversions Part 2

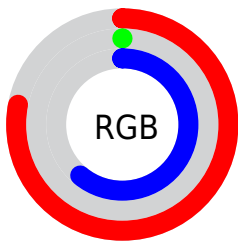
Format	Color
RYB	199, 0, 156
Decimal	13041820
CIELab	45.00, 75.80, -28.76
CIElCh	45, 81.075, 339.221
Yxy	14.5424, 0.3848, 0.1894
Android (android.graphics.Color)	4291231900 (0xFFC7009C)
YUV	77.2850, 38.8065, 106.7441
Hunter-Lab	38.1345, 71.6006, -24.1493

Details

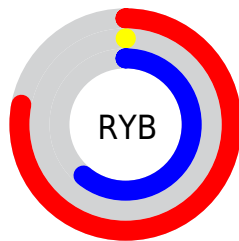
The XYZ color **29.5539, 14.5424, 32.7018** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **20.8605, 41.0218, 9.1072**, and the grayscale version is **7.0316, 7.3978, 8.0562**.

A 20% lighter version of the original color is **56.5703, 33.1079, 65.0369**, and **13.3139, 6.5749, 13.6641** is the 20% darker color. If you saturate the color by 10%, you get **29.5535, 14.5422, 32.6988**, and if you desaturate by 10%, it is **30.1738, 15.1887, 34.7373**.

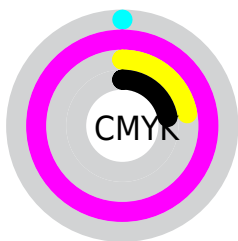
Distribution



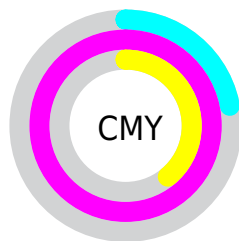
- Red (78%)
- Green (0%)
- Blue (61%)



- Red (78%)
- Yellow (0%)
- Blue (61%)



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





- Cyan (22%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5539, 14.5424, 32.7018 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 29.5539, 14.5424, 32.7018 by changing the saturation by 10% instead.

 29.5539, 14.5424,
32.7018


 29.5539, 14.5424,
32.7018


291.7668,
220.5795, 328.8946

 19.6466, 8.4989,
21.6289


 58.3475, 34.0484,
65.0203


 12.2452, 4.4158,
13.3887


 77.9645, 48.2796,
87.1030


 6.9843, 1.9088,
7.5629


 101.5487, 66.0089,
113.6926

 3.4985, 0.5536,
3.7328

 129.4656, 87.6206,
145.2078

 1.4225, 0.0000,
1.4799

 162.0806,
113.4991, 182.0670

 0.2722, 0.0000,
0.2029

 199.7588,

 0.0000, 0.0000,

144.0288, 224.6889

0.0000

242.8658,
179.5942, 273.4919

■ 29.5539, 14.5424,
32.7018

■ 29.5539, 14.5424,
32.7018

■ 29.5535, 14.5422,
32.6988

■ 30.1738, 15.1887,
34.7373

■ 31.0618, 16.3506,
36.9264

■ 32.3074, 18.2068,
39.2996

■ 33.9576, 20.8508,
41.8731

■ 36.0519, 24.3615,
44.6609

■ 38.6250, 28.8083,
47.6749

■ 41.7082, 34.2535,
50.9264

■ 45.3302, 40.7540,
54.4253

■ 49.5172, 48.3625,
58.1811

Harmonies

Analogous

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



23.5855, 14.5424, 64.5172



29.5539, 14.5424, 32.7018



30.6739, 14.5424, 10.6615

Triad

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



29.5539, 14.5424, 32.7018



11.8729, 14.5424, 0.0000



6.0944, 14.5424, 52.1077

Complementary

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



29.5539, 14.5424, 32.7018



20.8605, 41.0218, 9.1072

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.



4.6529, 14.5424, 22.4564



29.5539, 14.5424, 32.7018



7.2112, 14.5424, 1.0348

Square

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



29.5539, 14.5424, 32.7018



18.8725, 14.5424, 0.1249



4.9829, 14.5424, 6.0721



9.7642, 14.5424, 80.6732

Rectangle

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



29.5539, 14.5424, 32.7018



28.2534, 14.5424, 3.8414



4.9829, 14.5424, 6.0721



5.3968, 14.5424, 41.2812

Sweetspot

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



29.5544, 14.5432, 32.7021



72.7614, 59.5007, 88.8991



11.1775, 4.5719, 54.3264



15.0594, 11.8230, 18.4974



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.



29.5544, 14.5432, 32.7021



51.6525, 25.4250, 56.7617



24.3619, 12.4662, 5.3588



10.9812, 10.7759, 12.8841



19.0369, 9.3643, 21.2021



0.9265, 0.4535, 1.1363

Inverse Universe

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



29.5544, 14.5432, 32.7021



51.6525, 25.4250, 56.7617



25.1068, 42.7203, 31.4676



10.9812, 10.7759, 12.8841



19.0369, 9.3643, 21.2021



0.9265, 0.4535, 1.1363

Previews

White Background



This preview shows how the XYZ color 29.5539, 14.5424, 32.7018 looks on a white background.

Color Contrast Check

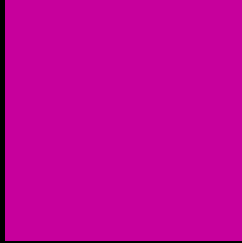
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5539, 14.5424, 32.7018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

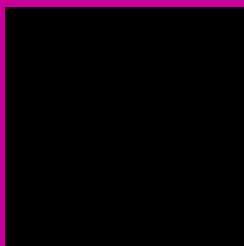
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.5539, 14.5424, 32.7018

Background



This preview shows how black text looks on a background with the XYZ color 29.5539, 14.5424, 32.7018.



This preview shows how white text looks on a background with the XYZ color 29.5539, 14.5424,

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

29.5539, 14.5424, 32.7018

Protanopia

18.3713, 15.4621, 70.4228

Deuteranopia

15.4830, 15.1874, 29.3095



Tritanopia

24.3611, 14.9256, 6.5980

Trichromacy



Original Color

29.5539, 14.5424, 32.7018



Protanomaly

15.7414, 9.9303, 53.9104



Deuteranomaly

17.5638, 11.4871, 30.1457



Tritanomaly

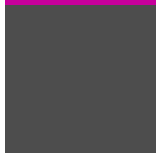
25.4358, 13.9350, 12.9044

Monochromacy



Original Color

29.5539, 14.5424, 32.7018



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.5850, 7.3022, 14.4345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5539, 14.5424, 32.7018 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 156) }
```

Border

The CSS property to change the border of an element to XYZ 29.5539, 14.5424, 32.7018 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, 156) }
```


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

```
.border{ border-color:rgb(199, 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(199, 0, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5539, 14.5424, 32.7018 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, 156) }
```

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

```
.background{ background-color: rgb(199, 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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