

Converting Colors

XYZ(29.4410, 14.4620, 33.6973)

Have a look what the booklet for
XYZ(29.4410, 14.4620, 33.6973)
contains.

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Color

**XYZ(29.4603, 14.4744,
33.5889)**

Conversions

Conversions Part 1

Format	Color
Hex	C6009E
RGB	198, 0, 158
RGB Percent	78%, 0%, 62%
CMY	0.2235, 0.9999, 0.3804
CMYK	0.00, 1.00, 0.20, 0.22
HSL	312°, 100%, 39%
HSV	312°, 100%, 78%
XYZ	29.4603, 14.4744, 33.5889
YIQ	77.2140, 67.2900, 91.1140

Conversions

Conversions Part 2

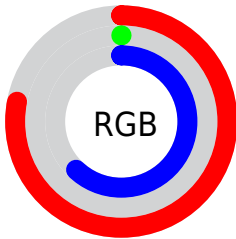
Format	Color
RYB	198, 0, 158
Decimal	12976286
CIELab	44.91, 75.85, -30.13
CIELCh	45, 81.618, 338.338
Yxy	14.4744, 0.3800, 0.1867
Android (android.graphics.Color)	4291166366 (0xFFC6009E)
YUV	77.2140, 39.8275, 105.9293
Hunter-Lab	38.0452, 71.6422, -25.7135

Details

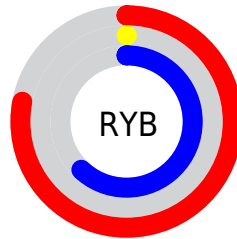
The XYZ color **29.4603, 14.4744, 33.5889** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **20.5782, 40.5421, 8.7511**, and the grayscale version is **7.0166, 7.3820, 8.0390**.

A 20% lighter version of the original color is **56.8226, 33.2089, 66.3659**, and **13.2490, 6.5296, 14.1977** is the 20% darker color. If you saturate the color by 10%, you get **29.4599, 14.4743, 33.5862**, and if you desaturate by 10%, it is **30.0577, 15.1089, 35.5150**.

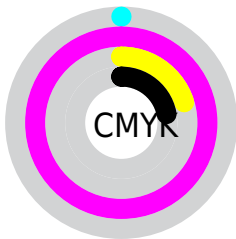
Distribution



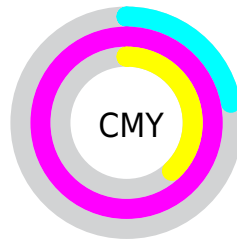
- Red (78%)
- Green (0%)
- Blue (62%)



- Red (78%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4603, 14.4744, 33.5889 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 29.4603, 14.4744, 33.5889 by changing the saturation by 10% instead.


 29.4603, 14.4744,
33.5889


 29.4603, 14.4744,
33.5889


291.3358,
220.1625, 333.0081


 19.5753, 8.4514,
22.3032


 58.2001, 33.9284,
66.4204


 12.1932, 4.3851,
13.8794


 77.7857, 48.1282,
88.8033


 6.9485, 1.8912,
7.8990

 101.3355, 65.8224,
115.7223

 3.4760, 0.5431,
3.9436

 129.2150, 87.3953,
147.5960

 1.4102, 0.0000,
1.5944

 161.7893,
113.2314, 184.8428

 0.2635, 0.0000,
0.2868

 199.4240,

 0.0000, 0.0000,

143.7150, 227.8815

0.0000

242.4844,
179.2305, 277.1304

■ 29.4603, 14.4744,
33.5889

■ 29.4603, 14.4744,
33.5889

■ 29.4599, 14.4743,
33.5862

■ 30.0577, 15.1089,
35.5150

■ 30.9184, 16.2519,
37.5846

■ 32.1310, 18.0806,
39.8278

■ 33.7418, 20.6873,
42.2606

■ 35.7899, 24.1499,
44.8965

■ 38.3096, 28.5369,
47.7473

■ 41.3316, 33.9099,
50.8240

■ 44.8843, 40.3249,
54.1362

■ 48.9937, 47.8341,
57.6933

Harmonies

Analogous

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



23.3505, 14.4744, 65.7273



29.4603, 14.4744, 33.5889



30.7591, 14.4744, 11.0092

Triad

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



29.4603, 14.4744, 33.5889



11.9794, 14.4744, 0.0000



5.9478, 14.4744, 51.3114

Complementary

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



29.4603, 14.4744, 33.5889



20.5782, 40.5421, 8.7511

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.



4.5666, 14.4744, 21.7124



29.4603, 14.4744, 33.5889



7.2344, 14.4744, 0.9372

Square

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



29.4603, 14.4744, 33.5889



19.0583, 14.4744, 0.1097



4.9460, 14.4744, 5.7149



9.5438, 14.4744, 80.5239

Rectangle

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



29.4603, 14.4744, 33.5889



28.4235, 14.4744, 3.9608



4.9460, 14.4744, 5.7149



5.2723, 14.4744, 40.4306

Sweetspot

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



29.4608, 14.4752, 33.5892



72.9204, 59.5643, 89.7363



11.0540, 4.5215, 53.7166



15.0977, 11.8383, 18.6993



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.



29.4608, 14.4752, 33.5892



52.0764, 25.5946, 58.9937



24.0896, 12.3267, 5.3049



10.9877, 10.7785, 12.9186



19.1896, 9.4254, 22.0063



0.9326, 0.4559, 1.1682

Inverse Universe

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



29.4608, 14.4752, 33.5892



52.0764, 25.5946, 58.9937



24.8263, 42.2414, 31.1218



10.9877, 10.7785, 12.9186



19.1896, 9.4254, 22.0063



0.9326, 0.4559, 1.1682

Previews

White Background



This preview shows how the XYZ color 29.4603, 14.4744, 33.5889 looks on a white background.

Color Contrast Check

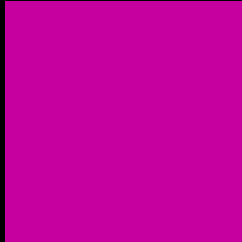
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4603, 14.4744, 33.5889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

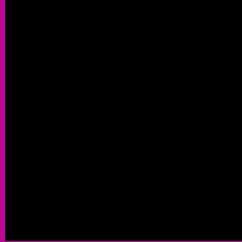
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.4603, 14.4744, 33.5889

Background



This preview shows how black text looks on a background with the XYZ color 29.4603, 14.4744, 33.5889.



This preview shows how white text looks on a background with the XYZ color 29.4603, 14.4744,

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

29.4603, 14.4744, 33.5889

Protanopia

18.2696, 15.2283, 71.7885

Deuteranopia

15.4269, 15.1403, 30.1263



Tritanopia

23.9412, 14.7857, 6.7463

Trichromacy



Original Color

29.4603, 14.4744, 33.5889



Protanomaly

14.9295, 9.3977, 55.0599



Deuteranomaly

17.4075, 11.3878, 30.9864



Tritanomaly

24.9700, 13.6893, 13.1306

Monochromacy



Original Color

29.4603, 14.4744, 33.5889



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 29.4603, 14.4744, 33.5889 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(198, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 158)  
}
```

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(198, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 29.4603, 14.4744, 33.5889 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(198, 0, 158) }
```


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

```
.border{ border-color:rgb(198, 0, 158) }
```

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

Here you see how a box with a 4 pixel rgb(198, 0, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4603, 14.4744, 33.5889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 158) }
```

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

```
.background{ background-color: rgb(198, 0,  
158) }
```

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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