

Converting Colors

XYZ(29.0509, 16.7394, 24.4446)

Have a look what the booklet for
XYZ(29.0509, 16.7394, 24.4446)
contains.

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Color

**XYZ(29.1749, 16.7811,
24.6231)**

Conversions

Conversions Part 1

Format	Color
Hex	C63A87
RGB	198, 58, 135
RGB Percent	78%, 23%, 53%
CMY	0.2235, 0.7725, 0.4706
CMYK	0.00, 0.71, 0.32, 0.22
HSL	327°, 55%, 50%
HSV	327°, 71%, 78%
XYZ	29.1749, 16.7811, 24.6231
YIQ	108.6380, 58.7230, 53.6270

Conversions

Conversions Part 2

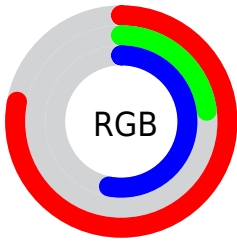
Format	Color
R_{YB}	198, 58, 135
Decimal	12991111
CIE _{Lab}	47.98, 61.49, -11.53
CIE _{LCh}	48, 62.566, 349.377
Yxy	16.7811, 0.4134, 0.2378
Android (android.graphics.Color)	4291181191 (0xFFC63A87)
YUV	108.6380, 12.9965, 78.3705
Hunter-Lab	40.9647, 55.4386, -6.9627

Details

The XYZ color **29.1749, 16.7811, 24.6231** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **25.3912, 42.6686, 24.9892**, and the grayscale version is **14.3872, 15.1364, 16.4836**.

A 20% lighter version of the original color is **56.5625, 37.3816, 51.8112**, and **12.4549, 6.2313, 9.1406** is the 20% darker color. If you saturate the color by 10%, you get **27.7602, 14.9140, 21.1847**, and if you desaturate by 10%, it is **31.0267, 19.4382, 28.4666**.

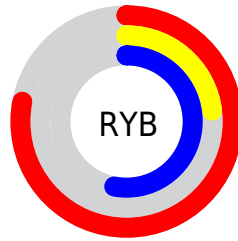
Distribution



Red (78%)

Green (23%)

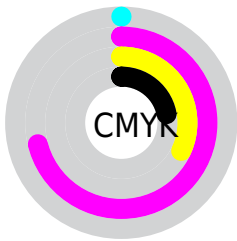
Blue (53%)



Red (78%)

Yellow (23%)

Blue (53%)

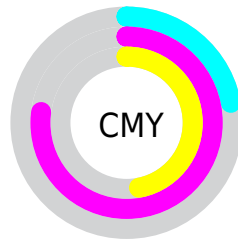


Cyan (0%)

Magenta (71%)

Yellow (32%)

Black (22%)



Cyan (22%)


Magenta (77%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1749, 16.7811, 24.6231 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 29.1749, 16.7811, 24.6231 by changing the saturation by 10% instead.


 29.1749, 16.7811,
24.6231


 29.1749, 16.7811,
24.6231


290.0186,
233.9077, 289.3431


 19.3581, 10.0785,
15.5800

 57.7505, 37.9490,
52.0016


 12.0349, 5.4511,
9.0763


 77.2400, 53.1832,
71.1742


 6.8398, 2.5143,
4.6935


 100.6845, 72.0300,
94.5603

 3.4075, 0.8838,
2.0130

 128.4493, 94.8739,
122.5784

 1.3728, 0.0000,
0.5633

 160.8997,
122.0992, 155.6473

 0.2367, 0.0000,
0.0000

198.4012,

 0.0000, 0.0000,

154.0903, 194.1853

0.0000

241.3190,
191.2317, 238.6111

■ 29.1749, 16.7811,
24.6231

■ 29.1749, 16.7811,
24.6231

■ 27.7602, 14.9140,
21.1847

■ 31.0267, 19.4382,
28.4666

■ 26.7332, 13.7403,
18.1282

■ 33.3549, 22.9620,
32.7338

■ 26.0434, 13.1077,
15.5959

■ 36.1954, 27.4228,
37.4430

■ 39.5806, 32.8830,
42.6105

■ 43.5398, 39.3996,
48.2516

■ 48.1001, 47.0252,
54.3808

■ 53.2870, 55.8089,
61.0118

■ 59.1244, 65.7970,
68.1576

■ 65.6349, 77.0329,
75.8307

Harmonies

Analogous

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



25.6893, 16.7811, 46.9074



29.1749, 16.7811, 24.6231



28.5382, 16.7811, 9.7764

Triad

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



29.1749, 16.7811, 24.6231



12.6127, 16.7811, 1.8368



9.8748, 16.7811, 53.4835

Complementary

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



29.1749, 16.7811, 24.6231



25.3912, 42.6686, 24.9892

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.



7.7448, 16.7811, 30.6489



29.1749, 16.7811, 24.6231



9.0480, 16.7811, 4.5848

Square

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



29.1749, 16.7811, 24.6231



18.0360, 16.7811, 1.5839



7.4829, 16.7811, 13.1189



14.0313, 16.7811, 69.0253

Rectangle

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



29.1749, 16.7811, 24.6231



25.8984, 16.7811, 4.7941



7.4829, 16.7811, 13.1189



8.9444, 16.7811, 45.9427

Sweetspot

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



29.1754, 16.7820, 24.6234



76.6416, 69.0074, 84.8085



19.5923, 11.1694, 54.5494



15.9652, 14.0437, 17.5380



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.



29.1754, 16.7820, 24.6234



48.0661, 25.1122, 34.4173



25.7565, 15.4145, 6.6200



10.8738, 10.7329, 12.3190



16.9803, 8.5417, 10.3723



0.8402, 0.4189, 0.6814

Inverse Universe

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



29.1754, 16.7820, 24.6234



48.0661, 25.1122, 34.4173



31.3435, 45.0496, 56.3340



10.8738, 10.7329, 12.3190



16.9803, 8.5417, 10.3723



0.8402, 0.4189, 0.6814

Previews

White Background



This preview shows how the XYZ color 29.1749, 16.7811, 24.6231 looks on a white background.

Color Contrast Check

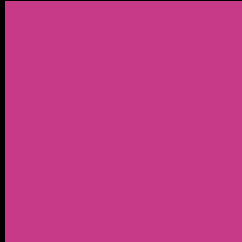
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1749, 16.7811, 24.6231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

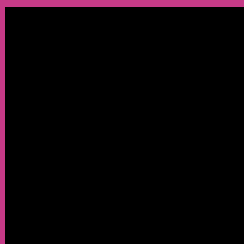
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.1749, 16.7811, 24.6231

Background



This preview shows how black text looks on a background with the XYZ color 29.1749, 16.7811, 24.6231.



This preview shows how white text looks on a background with the XYZ color 29.1749, 16.7811,

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

29.1749, 16.7811, 24.6231

Protanopia

17.9622, 17.1545, 41.8996

Deuteranopia

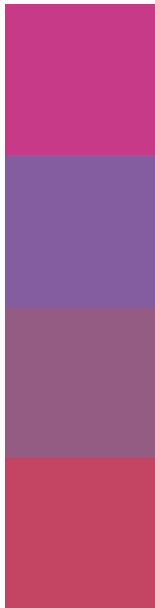
17.3265, 16.9205, 22.7748



Tritanopia

26.0058, 16.7845, 9.0768

Trichromacy



Original Color

29.1749, 16.7811, 24.6231

Protanomaly

19.5324, 15.1572, 34.6970

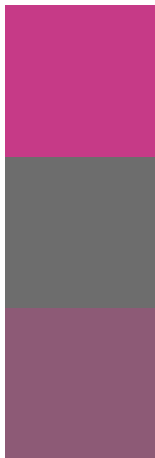
Deuteranomaly

20.1366, 15.5889, 23.4204

Tritanomaly

26.8249, 16.6372, 13.6019

Monochromacy



Original Color

29.1749, 16.7811, 24.6231

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

17.9107, 14.2831, 18.9524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1749, 16.7811, 24.6231 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, 58, 135)` looks like.

```
.text, #text, p{  
    color:rgb(198, 58, 135)  
}
```

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, 58, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 58, 135) }
```

Border

The CSS property to change the border of an element to XYZ 29.1749, 16.7811, 24.6231 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, 58, 135) }
```


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

```
.border{ border-color:rgb(198, 58, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 58, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 58, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 58, 135);  
box-shadow:4px 4px 4px 4px rgb(198, 58,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1749, 16.7811, 24.6231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 58, 135) }
```

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

```
.background{ background-color: rgb(198, 58,  
135) }
```

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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