

Converting Colors

XYZ(29.2931, 16.8413, 27.5575)

Have a look what the booklet for
XYZ(29.2931, 16.8413, 27.5575)
contains.

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Color

**XYZ(29.2868, 16.8469,
27.6948)**

Conversions

Conversions Part 1

Format	Color
Hex	C43B8F
RGB	196, 59, 143
RGB Percent	77%, 23%, 56%
CMY	0.2314, 0.7686, 0.4392
CMYK	0.00, 0.70, 0.27, 0.23
HSL	323°, 54%, 50%
HSV	323°, 70%, 77%
XYZ	29.2868, 16.8469, 27.6948
YIQ	109.5390, 54.6880, 55.1680

Conversions

Conversions Part 2

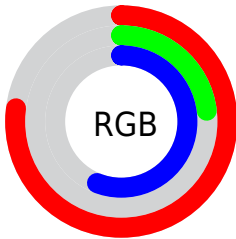
Format	Color
R_{YB}	196, 59, 143
Decimal	12860303
CIE _{Lab}	48.07, 61.56, -16.26
CIE _{LCh}	48, 63.675, 345.205
Yxy	16.8469, 0.3967, 0.2282
Android (android.graphics.Color)	4291050383 (0xFFC43B8F)
YUV	109.5390, 16.4963, 75.8263
Hunter-Lab	41.0450, 55.5363, -11.2740

Details

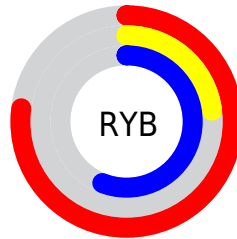
The XYZ color **29.2868, 16.8469, 27.6948** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **24.4692, 41.5800, 22.0677**, and the grayscale version is **14.6337, 15.3958, 16.7660**.

A 20% lighter version of the original color is **57.6793, 38.0138, 57.1207**, and **12.4570, 6.1936, 10.8948** is the 20% darker color. If you saturate the color by 10%, you get **27.9066, 14.9748, 24.4957**, and if you desaturate by 10%, it is **31.0849, 19.4923, 31.2251**.

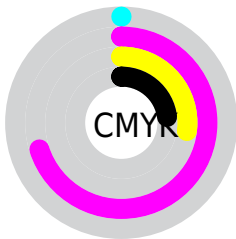
Distribution



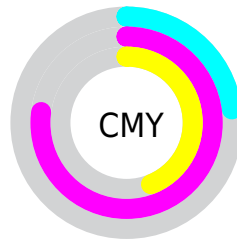
- Red (77%)
- Green (23%)
- Blue (56%)



- Red (77%)
- Yellow (23%)
- Blue (56%)



- Cyan (0%)
- Magenta (70%)
- Yellow (27%)
- Black (23%)



- Cyan (23%)
- Magenta (77%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2868, 16.8469, 27.6948 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 29.2868, 16.8469, 27.6948 by changing the saturation by 10% instead.

■ 29.2868, 16.8469,
27.6948

■ 29.2868, 16.8469,
27.6948

290.5356,
234.2886, 304.8716

■ 19.4433, 10.1254,
17.8587

■ 57.9269, 38.0624,
57.0140

■ 12.0969, 5.4822,
10.6802

■ 77.4541, 53.3251,
77.3342

■ 6.8824, 2.5329,
5.7408

■ 100.9399, 72.2037,
101.9862

■ 3.4343, 0.8930,
2.6219

■ 128.7497, 95.0826,
131.3885

■ 1.3874, 0.0000,
0.9037

■ 161.2488,
122.3461, 165.9596

■ 0.2472, 0.0000,
0.0000

198.8026,

■ 0.0000, 0.0000,

154.3787, 206.1182

0.0000

241.7764,
191.5647, 252.2826

■ 29.2868, 16.8469,
27.6948

■ 29.2868, 16.8469,
27.6948

■ 27.9066, 14.9748,
24.4957

■ 31.0849, 19.4923,
31.2251

■ 26.8971, 13.7835,
21.6079

■ 33.3381, 22.9846,
35.1022

■ 26.1727, 13.1025,
18.9991

■ 36.0808, 27.3916,
39.3413

■ 26.1655, 13.0960,
18.9724

■ 39.3438, 32.7735,
43.9561

■ 43.1552, 39.1854,
48.9593

■ 47.5408, 46.6781,
54.3629

■ 52.5250, 55.2991,
60.1782

■ 58.1306, 65.0931,
66.4159

■ 64.3793, 76.1023,
73.0863

Harmonies

Analogous

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



25.2292, 16.8469, 51.0008



29.2868, 16.8469, 27.6948



29.2561, 16.8469, 11.2178

Triad

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



29.2868, 16.8469, 27.6948



13.2795, 16.8469, 1.6026



9.4075, 16.8469, 51.3195

Complementary

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



29.2868, 16.8469, 27.6948



24.4692, 41.5800, 22.0677

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.



7.5256, 16.8469, 27.9850



29.2868, 16.8469, 27.6948



9.3681, 16.8469, 3.8415

Square

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



29.2868, 16.8469, 27.6948



19.0107, 16.8469, 1.5910



7.5132, 16.8469, 11.3768



13.3473, 16.8469, 69.2843

Rectangle

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



29.2868, 16.8469, 27.6948



26.8753, 16.8469, 5.4596



7.5132, 16.8469, 11.3768



8.5600, 16.8469, 43.3828

Sweetspot

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



29.2873, 16.8478, 27.6951



77.1236, 69.2002, 87.3469



18.1497, 10.5278, 53.3000



16.0800, 14.0897, 18.1425



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.



29.2873, 16.8478, 27.6951



49.4849, 25.8156, 41.4698



25.5991, 15.3725, 8.2730



10.3268, 10.1793, 11.8116



16.8557, 8.4320, 12.4179



0.7612, 0.3775, 0.7098

Inverse Universe

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



29.2873, 16.8478, 27.6951



49.4849, 25.8156, 41.4698



29.7841, 43.7059, 50.0558



10.3268, 10.1793, 11.8116



16.8557, 8.4320, 12.4179



0.7612, 0.3775, 0.7098

Previews

White Background



This preview shows how the XYZ color 29.2868, 16.8469, 27.6948 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 29.2868, 16.8469, 27.6948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

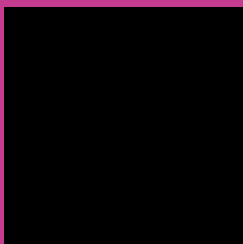
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.2868, 16.8469, 27.6948

Background



This preview shows how black text looks on a background with the XYZ color 29.2868, 16.8469, 27.6948.



This preview shows how white text looks on a background with the XYZ color 29.2868, 16.8469,

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

29.2868, 16.8469, 27.6948

Protanopia

18.4769, 17.3039, 47.1659

Deuteranopia

17.4406, 17.0789, 25.6699



Tritanopia

25.5555, 16.8393, 9.6880

Trichromacy



Original Color

29.2868, 16.8469, 27.6948



Protanomaly

19.7346, 15.1679, 38.9334



Deuteranomaly

20.2516, 15.7125, 26.3915



Tritanomaly

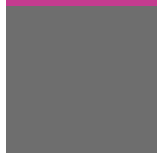
26.6812, 16.7173, 14.9172

Monochromacy



Original Color

29.2868, 16.8469, 27.6948



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

18.2384, 14.5500, 20.2595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2868, 16.8469, 27.6948 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(196, 59, 143)` looks like.

```
.text, #text, p{  
    color:rgb(196, 59, 143)  
}
```

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(196, 59, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 59, 143) }
```

Border

The CSS property to change the border of an element to XYZ 29.2868, 16.8469, 27.6948 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(196, 59, 143) }
```


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

```
.border{ border-color:rgb(196, 59, 143) }
```

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

Here you see how a box with a 4 pixel rgb(196, 59, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 59, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 59, 143);  
box-shadow:4px 4px 4px 4px rgb(196, 59,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2868, 16.8469, 27.6948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 59, 143) }
```

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

```
.background{ background-color: rgb(196, 59,  
143) }
```

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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