

Converting Colors

XYZ(29.0675, 15.0579, 16.3199)

Have a look what the booklet for
XYZ(29.0675, 15.0579, 16.3199)
contains.

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Color

**XYZ(29.1498, 15.0939,
16.4160)**

Conversions

Conversions Part 1

Format	Color
Hex	D0156F
RGB	208, 21, 111
RGB Percent	82%, 8%, 44%
CMY	0.1843, 0.9176, 0.5647
CMYK	0.00, 0.90, 0.47, 0.18
HSL	331°, 82%, 45%
HSV	331°, 90%, 82%
XYZ	29.1498, 15.0939, 16.4160
YIQ	87.1730, 82.5620, 67.6340

Conversions

Conversions Part 2

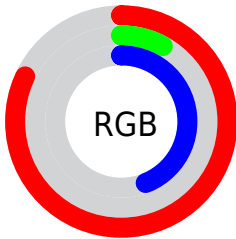
Format	Color
R_{YB}	208, 21, 111
Decimal	13636975
CIE _{Lab}	45.76, 70.97, 0.04
CIE _{LCh}	46, 70.968, 0.033
Yxy	15.0939, 0.4805, 0.2488
Android (android.graphics.Color)	4291827055 (0xFFD0156F)
YUV	87.1730, 11.7467, 105.9653
Hunter-Lab	38.8509, 65.9395, 2.1433

Details

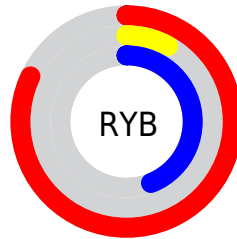
The XYZ color **29.1498, 15.0939, 16.4160** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **26.1370, 46.5799, 24.7602**, and the grayscale version is **9.0621, 9.5340, 10.3825**.

A 20% lighter version of the original color is **51.8538, 32.0531, 37.6363**, and **12.9580, 6.5732, 5.4363** is the 20% darker color. If you saturate the color by 10%, you get **28.3252, 14.3389, 13.3847**, and if you desaturate by 10%, it is **30.3340, 16.4533, 19.9216**.

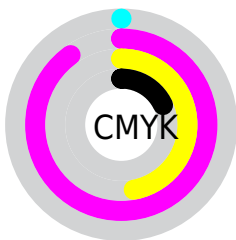
Distribution



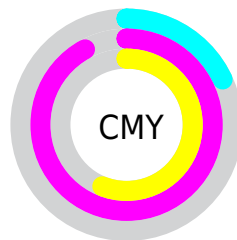
- Red (82%)
- Green (8%)
- Blue (44%)



- Red (82%)
- Yellow (8%)
- Blue (44%)



- Cyan (0%)
- Magenta (90%)
- Yellow (47%)
- Black (18%)





- Cyan (18%)
- Magenta (92%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1498, 15.0939, 16.4160 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 29.1498, 15.0939, 16.4160 by changing the saturation by 10% instead.


 29.1498, 15.0939,
16.4160


 29.1498, 15.0939,
16.4160


289.9026,
223.9339, 243.7130


 19.3390, 8.8853,
9.6615


 57.7109, 35.0178,
38.0957


 12.0210, 4.6665,
5.0724


 77.1920, 49.5019,
53.8579

 6.8303, 2.0529,
2.2303


 100.6272, 67.5134,
73.4598

 3.4016, 0.6379,
0.6918

 128.3818, 89.4365,
97.3199

 1.3695, 0.0000,
0.0000

 160.8214,
115.6557, 125.8568

 0.2343, 0.0000,
0.0000

 198.3111,

 0.0000, 0.0000,

146.5554, 159.4889

0.0000

241.2164,
182.5200, 198.6348

■ 29.1498, 15.0939,
16.4160

■ 29.1498, 15.0939,
16.4160

■ 28.3252, 14.3389,
13.3847

■ 30.3340, 16.4533,
19.9216

■ 28.3171, 14.3318,
13.3541

■ 31.9739, 18.6053,
23.9450

■ 34.1243, 21.6560,
28.5162

■ 36.8316, 25.6942,
33.6613

■ 40.1363, 30.7981,
39.4044

■ 44.0753, 37.0379,
45.7677

■ 48.6822, 44.4778,
52.7723

■ 53.9882, 53.1769,
60.4378

■ 60.0224, 63.1908,
68.7830

Harmonies

Analogous

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



26.7577, 15.0939, 38.9178



29.1498, 15.0939, 16.4160



26.7479, 15.0939, 4.8648

Triad

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



29.1498, 15.0939, 16.4160



9.3361, 15.0939, 1.2442



9.3446, 15.0939, 64.4976

Complementary

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



29.1498, 15.0939, 16.4160



26.1370, 46.5799, 24.7602

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.



6.5295, 15.0939, 38.9754



29.1498, 15.0939, 16.4160



6.5256, 15.0939, 4.8792

Square

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



29.1498, 15.0939, 16.4160



14.3398, 15.0939, 0.5546



5.6598, 15.0939, 16.4534



14.3528, 15.0939, 76.0561

Rectangle

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



29.1498, 15.0939, 16.4160



23.0502, 15.0939, 1.9244



5.6598, 15.0939, 16.4534



8.1664, 15.0939, 56.6704

Sweetspot

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



29.1502, 15.0948, 16.4162



71.6539, 61.5704, 75.3203



19.0746, 8.9169, 60.3901



14.8299, 12.3660, 15.3321



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.



29.1502, 15.0948, 16.4162



44.7971, 22.6828, 20.6612



26.4775, 14.1232, 2.0412



12.0423, 11.9017, 13.4986



17.6972, 8.9517, 8.5775



1.0295, 0.5165, 0.6903

Inverse Universe

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



29.1502, 15.0948, 16.4162



44.7971, 22.6828, 20.6612



33.4983, 48.3206, 67.2356



12.0423, 11.9017, 13.4986



17.6972, 8.9517, 8.5775



1.0295, 0.5165, 0.6903

Previews

White Background



This preview shows how the XYZ color 29.1498, 15.0939, 16.4160 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 29.1498, 15.0939, 16.4160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

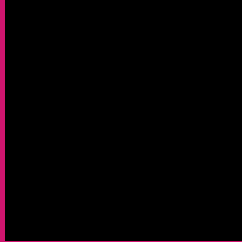
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.1498, 15.0939, 16.4160

Background



This preview shows how black text looks on a background with the XYZ color 29.1498, 15.0939, 16.4160.



This preview shows how white text looks on a background with the XYZ color 29.1498, 15.0939,

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

29.1498, 15.0939, 16.4160

Protanopia

16.1502, 15.5734, 34.5025

Deuteranopia

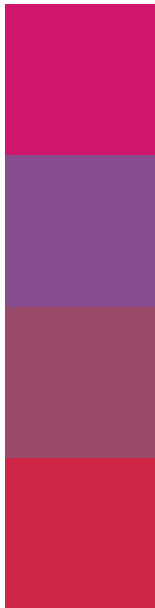
15.7207, 15.4783, 14.7294



Tritanopia

26.7269, 15.2256, 4.3265

Trichromacy



Original Color

29.1498, 15.0939, 16.4160

Protanomaly

17.3838, 12.2429, 26.6462

Deuteranomaly

18.3923, 12.9221, 14.8894

Tritanomaly

27.2840, 14.9630, 7.4113

Monochromacy



Original Color

29.1498, 15.0939, 16.4160

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

13.2489, 9.2248, 12.1486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1498, 15.0939, 16.4160 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(208, 21, 111)` looks like.

```
.text, #text, p{  
    color:rgb(208, 21, 111)  
}
```

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(208, 21, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 21, 111) }
```

Border

The CSS property to change the border of an element to XYZ 29.1498, 15.0939, 16.4160 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(208, 21, 111) }
```


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

```
.border{ border-color:rgb(208, 21, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 21, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 21, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 21, 111);  
box-shadow:4px 4px 4px 4px rgb(208, 21,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1498, 15.0939, 16.4160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 21, 111) }
```

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

```
.background{ background-color: rgb(208, 21,  
111) }
```

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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