

Converting Colors

XYZ(29.1728, 15.8057, 19.7723)

Have a look what the booklet for
XYZ(29.1728, 15.8057, 19.7723)
contains.

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Color

**XYZ(29.2076, 15.8284,
19.9281)**

Conversions

Conversions Part 1

Format	Color
Hex	CC297A
RGB	204, 41, 122
RGB Percent	80%, 16%, 48%
CMY	0.2000, 0.8392, 0.5216
CMYK	0.00, 0.80, 0.40, 0.20
HSL	330°, 67%, 48%
HSV	330°, 80%, 80%
XYZ	29.2076, 15.8284, 19.9281
YIQ	98.9710, 71.1470, 59.7470

Conversions

Conversions Part 2

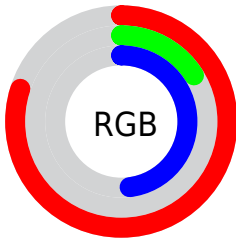
Format	Color
R_{YB}	204, 41, 122
Decimal	13379962
CIE _{Lab}	46.75, 66.94, -5.37
CIE _{LCh}	47, 67.155, 355.417
Yxy	15.8284, 0.4496, 0.2436
Android (android.graphics.Color)	4291570042 (0xFFCC297A)
YUV	98.9710, 11.3533, 92.1104
Hunter-Lab	39.7849, 61.4199, -1.8487

Details

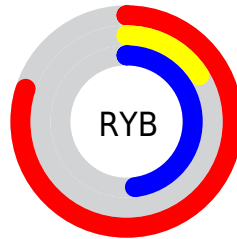
The XYZ color **29.2076, 15.8284, 19.9281** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark muted rose. A complement of this color would be **26.0838, 45.0877, 26.0712**, and the grayscale version is **11.8137, 12.4290, 13.5352**.

A 20% lighter version of the original color is **53.8303, 34.2166, 43.8117**, and **12.7376, 6.4237, 7.0471** is the 20% darker color. If you saturate the color by 10%, you get **28.0729, 14.5236, 16.5763**, and if you desaturate by 10%, it is **30.7756, 17.8923, 23.7560**.

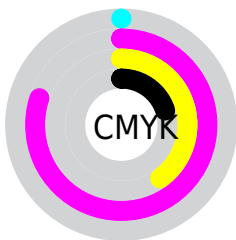
Distribution



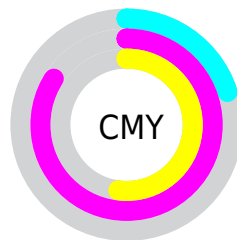
- Red (80%)
- Green (16%)
- Blue (48%)



- Red (80%)
- Yellow (16%)
- Blue (48%)



- Cyan (0%)
- Magenta (80%)
- Yellow (40%)
- Black (20%)





- Cyan (20%)
- Magenta (84%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2076, 15.8284, 19.9281 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 29.2076, 15.8284, 19.9281 by changing the saturation by 10% instead.


 29.2076, 15.8284,
19.9281


 29.2076, 15.8284,
19.9281


290.1698,
228.3270, 264.1170


 19.3830, 9.4028,
12.1592


 57.8020, 36.3000,
44.1540


 12.0530, 5.0048,
6.7284


 77.3026, 51.1149,
61.4481


 6.8522, 2.2501,
3.2169


 100.7591, 69.4949,
82.7544

 3.4154, 0.7471,
1.2064

 128.5371, 91.8246,
108.4913

 1.3770, 0.0000,
0.0000

 161.0018,
118.4882, 139.0775

 0.2398, 0.0000,
0.0000

 198.5185,

 0.0000, 0.0000,

149.8702, 174.9315

0.0000

241.4528,
186.3550, 216.4718

■ 29.2076, 15.8284,
19.9281

■ 29.2076, 15.8284,
19.9281

■ 28.0729, 14.5236,
16.5763

■ 30.7756, 17.8923,
23.7560

■ 27.2763, 13.7909,
13.6582

■ 32.8272, 20.8127,
28.0862

■ 27.2687, 13.7841,
13.6296

■ 35.4066, 24.6751,
32.9429

■ 38.5525, 29.5538,
38.3481

■ 42.2998, 35.5157,
44.3220

■ 46.6803, 42.6218,
50.8837

■ 51.7236, 50.9288,
58.0511

■ 57.4573, 60.4893,
65.8414

■ 63.9075, 71.3529,
74.2709

Harmonies

Analogous

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



26.2851, 15.8284, 42.6228



29.2076, 15.8284, 19.9281



27.6055, 15.8284, 6.8036

Triad

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



29.2076, 15.8284, 19.9281



10.7290, 15.8284, 1.4616



9.5381, 15.8284, 59.4614

Complementary

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



29.2076, 15.8284, 19.9281



26.0838, 45.0877, 26.0712

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.



7.0230, 15.8284, 35.0051



29.2076, 15.8284, 19.9281



7.5758, 15.8284, 4.6824

Square

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



29.2076, 15.8284, 19.9281



15.9577, 15.8284, 0.9550



6.4106, 15.8284, 14.7951



14.1667, 15.8284, 73.1028

Rectangle

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



29.2076, 15.8284, 19.9281



24.3612, 15.8284, 2.9926



6.4106, 15.8284, 14.7951



8.4696, 15.8284, 51.6880

Sweetspot

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



29.2080, 15.8293, 19.9284



73.9703, 65.1478, 79.3465



19.7904, 10.1211, 58.0371



15.2825, 13.0537, 16.1533



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.



29.2080, 15.8293, 19.9284



45.5046, 23.1430, 23.8409



26.0957, 14.5843, 3.5387



11.4409, 11.3051, 12.8562



17.2103, 8.6947, 8.8258



0.9262, 0.4639, 0.6571

Inverse Universe

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



29.2080, 15.8293, 19.9284



45.5046, 23.1430, 23.8409



33.4069, 48.0169, 64.6341



11.4409, 11.3051, 12.8562



17.2103, 8.6947, 8.8258



0.9262, 0.4639, 0.6571

Previews

White Background



This preview shows how the XYZ color 29.2076, 15.8284, 19.9281 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 29.2076, 15.8284, 19.9281 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 29.2076, 15.8284, 19.9281

Background



This preview shows how black text looks on a background with the XYZ color 29.2076, 15.8284, 19.9281.



This preview shows how white text looks on a background with the XYZ color 29.2076, 15.8284,

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

29.2076, 15.8284, 19.9281

Protanopia

16.9731, 16.2322, 38.3149

Deuteranopia

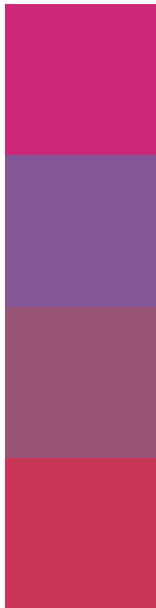
16.2850, 16.0050, 18.1505



Tritanopia

26.3048, 15.8589, 6.2321

Trichromacy



Original Color

29.2076, 15.8284, 19.9281

Protanomaly

18.4264, 13.6856, 30.5246

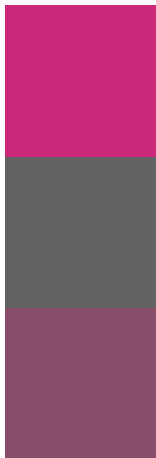
Deuteranomaly

19.1437, 14.2043, 18.5623

Tritanomaly

26.9607, 15.6038, 9.9784

Monochromacy



Original Color

29.2076, 15.8284, 19.9281

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

15.6948, 11.8287, 15.3659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2076, 15.8284, 19.9281 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(204, 41, 122)` looks like.

```
.text, #text, p{  
    color:rgb(204, 41, 122)  
}
```

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(204, 41, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 41, 122) }
```

Border

The CSS property to change the border of an element to XYZ 29.2076, 15.8284, 19.9281 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(204, 41, 122) }
```


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

```
.border{ border-color:rgb(204, 41, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 41, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 41, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 41, 122);  
box-shadow:4px 4px 4px 4px rgb(204, 41,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2076, 15.8284, 19.9281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 41, 122) }
```

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

```
.background{ background-color: rgb(204, 41,  
122) }
```

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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