

Converting Colors

XYZ(29.6429, 14.9828, 14.9152)

Have a look what the booklet for
XYZ(29.6429, 14.9828, 14.9152)
contains.

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Color

**XYZ(29.7529, 15.0377,
14.9701)**

Conversions

Conversions Part 1

Format	Color
Hex	D4006A
RGB	212, 0, 106
RGB Percent	83%, 0%, 42%
CMY	0.1686, 0.9998, 0.5843
CMYK	0.00, 1.00, 0.50, 0.17
HSL	330°, 100%, 42%
HSV	330°, 100%, 83%
XYZ	29.7529, 15.0377, 14.9701
YIQ	75.4720, 92.3260, 77.9100

Conversions

Conversions Part 2

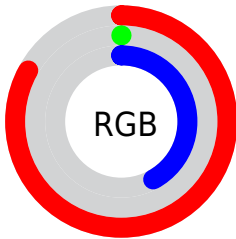
Format	Color
R_{YB}	212, 0, 106
Decimal	13893738
CIE _{Lab}	45.69, 73.61, 3.13
CIE _{LCh}	46, 73.675, 2.435
Yxy	15.0377, 0.4979, 0.2516
Android (android.graphics.Color)	4292083818 (0xFFD4006A)
YUV	75.4720, 15.0503, 119.7351
Hunter-Lab	38.7785, 69.0923, 4.2565

Details

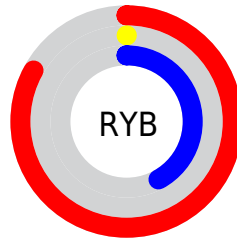
The XYZ color **29.7529, 15.0377, 14.9701** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **26.1478, 48.1286, 21.5596**, and the grayscale version is **6.7396, 7.0906, 7.7216**.

A 20% lighter version of the original color is **50.9820, 31.0067, 35.1961**, and **13.3671, 6.7998, 4.7456** is the 20% darker color. If you saturate the color by 10%, you get **29.7516, 15.0371, 14.9639**, and if you desaturate by 10%, it is **30.6115, 15.8174, 18.1470**.

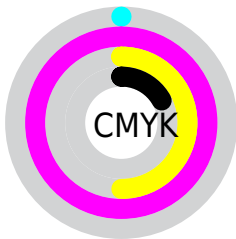
Distribution



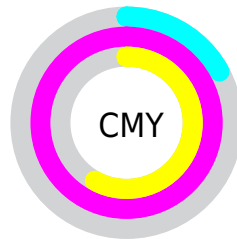
- Red (83%)
- Green (0%)
- Blue (42%)



- Red (83%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7529, 15.0377, 14.9701 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 29.7529, 15.0377, 14.9701 by changing the saturation by 10% instead.


 29.7529, 15.0377,
14.9701


 29.7529, 15.0377,
14.9701


292.6815,
223.5943, 234.8197


 19.7982, 8.8458,
8.6520


 58.6605, 34.9193,
35.5423


 12.3559, 4.6408,
4.4212


 78.3442, 49.3778,
50.6335


 7.0605, 2.0381,
1.8591


 102.0015, 67.3607,
69.4861

 3.5466, 0.6295,
0.4666

 129.9980, 89.2524,
92.5187

 1.4490, 0.0000,
0.0000

 162.6988,
115.4372, 120.1498

 0.2907, 0.0000,
0.0000

 200.4695,

 0.0000, 0.0000,

146.2995, 152.7980

0.0000

243.6752,
182.2237, 190.8818

■ 29.7529, 15.0377,
14.9701

■ 29.7529, 15.0377,
14.9701

■ 29.7516, 15.0371,
14.9639

■ 30.6115, 15.8174,
18.1470

■ 31.8393, 17.2224,
21.7948

■ 33.5382, 19.4533,
25.9588

■ 35.7654, 22.6208,
30.6683

■ 38.5690, 26.8181,
35.9497

■ 41.9916, 32.1269,
41.8268

■ 46.0714, 38.6210,
48.3218

■ 50.8436, 46.3673,
55.4554

■ 56.3405, 55.4281,
63.2472

Harmonies

Analogous

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



27.6244, 15.0377, 37.7069



29.7529, 15.0377, 14.9701



26.8487, 15.0377, 4.0643

Triad

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



29.7529, 15.0377, 14.9701



8.8206, 15.0377, 1.1731



9.4696, 15.0377, 68.8533

Complementary

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



29.7529, 15.0377, 14.9701



26.1478, 48.1286, 21.5596

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.



6.4274, 15.0377, 42.2438



29.7529, 15.0377, 14.9701



6.1357, 15.0377, 5.1355

Square

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



29.7529, 15.0377, 14.9701



13.7941, 15.0377, 0.3608



5.4053, 15.0377, 17.8620



14.8036, 15.0377, 79.3267

Rectangle

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



29.7529, 15.0377, 14.9701



22.8290, 15.0377, 1.5011



5.4053, 15.0377, 17.8620



8.2041, 15.0377, 60.8662

Sweetspot

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



29.7533, 15.0386, 14.9703



69.7509, 58.2965, 73.0458



17.8307, 7.8200, 62.8567



14.3408, 11.5355, 14.7131



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.



29.7533, 15.0386, 14.9703



45.1017, 22.8047, 22.2653



27.1520, 13.9981, 1.2721



12.6796, 12.5233, 14.2528



18.4178, 9.3035, 9.5044



1.1527, 0.5779, 0.7933

Inverse Universe

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



29.7533, 15.0386, 14.9703



45.1017, 22.8047, 22.2653



35.4276, 51.8405, 70.4261



12.6796, 12.5233, 14.2528



18.4178, 9.3035, 9.5044



1.1527, 0.5779, 0.7933

Previews

White Background



This preview shows how the XYZ color 29.7529, 15.0377, 14.9701 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 29.7529, 15.0377, 14.9701 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 29.7529, 15.0377, 14.9701

Background



This preview shows how black text looks on a background with the XYZ color 29.7529, 15.0377, 14.9701.



This preview shows how white text looks on a background with the XYZ color 29.7529, 15.0377,

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

29.7529, 15.0377, 14.9701

Protanopia

16.1482, 15.7786, 32.3315

Deuteranopia

15.9159, 15.6068, 13.4828



Tritanopia

27.5404, 15.3784, 3.7073

Trichromacy



Original Color

29.7529, 15.0377, 14.9701



Protanomaly

17.2195, 11.5228, 24.6091



Deuteranomaly

18.2120, 12.1025, 13.4327



Tritanomaly

27.9244, 14.8672, 6.3989

Monochromacy



Original Color

29.7529, 15.0377, 14.9701



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.1941, 7.1458, 9.5934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7529, 15.0377, 14.9701 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(212, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 106)  
}
```

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(212, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 106) }
```

Border

The CSS property to change the border of an element to XYZ 29.7529, 15.0377, 14.9701 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(212, 0, 106) }
```


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

```
.border{ border-color:rgb(212, 0, 106) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7529, 15.0377, 14.9701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 106) }
```

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

```
.background{ background-color: rgb(212, 0,  
106) }
```

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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