

Converting Colors

XYZ(28.6506, 14.2473, 27.8676)

Have a look what the booklet for
XYZ(28.6506, 14.2473, 27.8676)
contains.

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Color

**XYZ(28.7074, 14.2733,
28.0300)**

Conversions

Conversions Part 1

Format	Color
Hex	C70491
RGB	199, 4, 145
RGB Percent	78%, 2%, 57%
CMY	0.2196, 0.9842, 0.4314
CMYK	0.00, 0.98, 0.27, 0.22
HSL	317°, 96%, 40%
HSV	317°, 98%, 78%
XYZ	28.7074, 14.2733, 28.0300
YIQ	78.3790, 70.9590, 85.1910

Conversions

Conversions Part 2

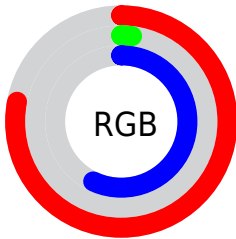
Format	Color
RYB	199, 4, 145
Decimal	13042833
CIELab	44.62, 74.17, -22.71
CIElCh	45, 77.566, 342.978
Yxy	14.2733, 0.4043, 0.2010
Android (android.graphics.Color)	4291232913 (0xFFC70491)
YUV	78.3790, 32.8442, 105.7846
Hunter-Lab	37.7800, 69.5194, -17.5428

Details

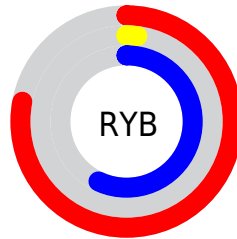
The XYZ color **28.7074, 14.2733, 28.0300** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **21.2386, 41.1788, 10.8367**, and the grayscale version is **7.2473, 7.6247, 8.3033**.

A 20% lighter version of the original color is **55.2050, 32.6959, 57.4341**, and **12.8356, 6.3836, 11.1453** is the 20% darker color. If you saturate the color by 10%, you get **28.5783, 14.1521, 27.5638**, and if you desaturate by 10%, it is **29.4249, 15.0113, 30.4174**.

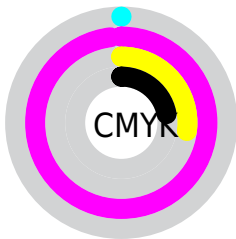
Distribution



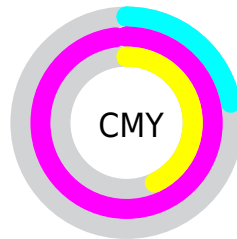
- Red (78%)
- Green (2%)
- Blue (57%)



- Red (78%)
- Yellow (2%)
- Blue (57%)



- Cyan (0%)
- Magenta (98%)
- Yellow (27%)
- Black (22%)





- Cyan (22%)
- Magenta (98%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7074, 14.2733, 28.0300 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 28.7074, 14.2733, 28.0300 by changing the saturation by 10% instead.

 28.7074, 14.2733,
28.0300


 28.7074, 14.2733,
28.0300


287.8510,
218.9245, 306.5267


 19.0028, 8.3110,
18.1090


 57.0127, 33.5732,
57.5560


 11.7763, 4.2946,
10.8580


 76.3440, 47.6795,
77.9981


 6.6626, 1.8397,
5.8585


 99.6149, 65.2694,
102.7844

 3.2965, 0.5117,
2.6918

 127.1908, 86.7271,
132.3333

 1.3124, 0.0000,
0.9393

 159.4370,
112.4370, 167.0635

 0.1925, 0.0000,
0.0000

 196.7189,

 0.0000, 0.0000,

142.7837, 207.3934

0.0000

239.4018,
178.1513, 253.7416

■ 28.7074, 14.2733,
28.0300

■ 28.7074, 14.2733,
28.0300

■ 28.5783, 14.1521,
27.5638

■ 29.4249, 15.0113,
30.4174

■ 30.4505, 16.3324,
33.0106

■ 31.8521, 18.3713,
35.8336

■ 33.6748, 21.2182,
38.9028

■ 35.9572, 24.9497,
42.2324

■ 38.7334, 29.6337,
45.8352

■ 42.0342, 35.3313,
49.7225

■ 45.8879, 42.0986,
53.9051

■ 50.3206, 49.9876,
58.3930

Harmonies

Analogous

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



23.5813, 14.2733, 57.0864



28.7074, 14.2733, 28.0300



29.0727, 14.2733, 8.9941

Triad

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



28.7074, 14.2733, 28.0300



11.0301, 14.2733, 0.0944



6.5081, 14.2733, 53.0733

Complementary

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



28.7074, 14.2733, 28.0300



21.2386, 41.1788, 10.8367

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.



4.8707, 14.2733, 24.6781



28.7074, 14.2733, 28.0300



6.8846, 14.2733, 1.4839

Square

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



28.7074, 14.2733, 28.0300



17.4193, 14.2733, 0.1935



4.9831, 14.2733, 7.4534



10.3280, 14.2733, 77.6542

Rectangle

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



28.7074, 14.2733, 28.0300



26.4343, 14.2733, 3.2913



4.9831, 14.2733, 7.4534



5.7458, 14.2733, 43.0058

Sweetspot

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



28.7079, 14.2741, 28.0302



72.6998, 60.2984, 86.0396



11.9850, 5.0527, 54.3765



15.0133, 11.9589, 17.7790



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.



28.7079, 14.2741, 28.0302



49.9308, 24.7363, 47.6949



24.1626, 12.4560, 4.0952



10.9529, 10.7646, 12.7354



18.4151, 9.1156, 17.9278



0.9015, 0.4434, 1.0044

Inverse Universe

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



28.7079, 14.2741, 28.0302



49.9308, 24.7363, 47.6949



26.2658, 43.1897, 37.3097



10.9529, 10.7646, 12.7354



18.4151, 9.1156, 17.9278



0.9015, 0.4434, 1.0044

Previews

White Background



This preview shows how the XYZ color 28.7074, 14.2733, 28.0300 looks on a white background.

Color Contrast Check

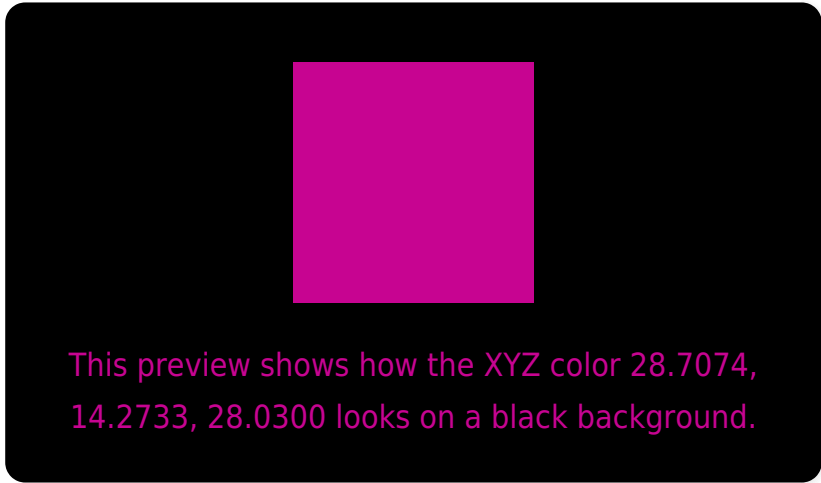
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

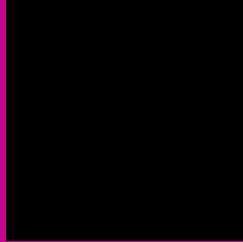
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.7074, 14.2733, 28.0300

Background



This preview shows how black text looks on a background with the XYZ color 28.7074, 14.2733, 28.0300.



This preview shows how white text looks on a background with the XYZ color 28.7074, 14.2733,

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

28.7074, 14.2733, 28.0300

Protanopia

17.3575, 15.0098, 60.3749

Deuteranopia

15.0890, 14.7643, 25.3471



Tritanopia

24.2711, 14.5900, 5.8119

Trichromacy



Original Color

28.7074, 14.2733, 28.0300



Protanomaly

16.4278, 10.5380, 46.5156



Deuteranomaly

17.2086, 11.4016, 25.7198



Tritanomaly

25.0871, 13.7437, 11.2281

Monochromacy



Original Color

28.7074, 14.2733, 28.0300



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.6081, 7.4645, 13.3994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7074, 14.2733, 28.0300 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(199, 4, 145)` looks like.

```
.text, #text, p{  
    color:rgb(199, 4, 145)  
}
```

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(199, 4, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 4, 145) }
```

Border

The CSS property to change the border of an element to XYZ 28.7074, 14.2733, 28.0300 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(199, 4, 145) }
```


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

```
.border{ border-color:rgb(199, 4, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 4, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 4, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 4, 145);  
box-shadow:4px 4px 4px 4px rgb(199, 4,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7074, 14.2733, 28.0300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 4, 145) }
```

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

```
.background{ background-color: rgb(199, 4,  
145) }
```

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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