

Converting Colors

XYZ(28.4895, 14.2730, 20.0588)

Have a look what the booklet for
XYZ(28.4895, 14.2730, 20.0588)
contains.

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Color

**XYZ(28.4770, 14.2674,
19.9919)**

Conversions

Conversions Part 1

Format	Color
Hex	CC007B
RGB	204, 0, 123
RGB Percent	80%, 0%, 48%
CMY	0.2000, 0.9999, 0.5176
CMYK	0.00, 1.00, 0.40, 0.20
HSL	324°, 100%, 40%
HSV	324°, 100%, 80%
XYZ	28.4770, 14.2674, 19.9919
YIQ	75.0180, 82.1010, 81.5010

Conversions

Conversions Part 2

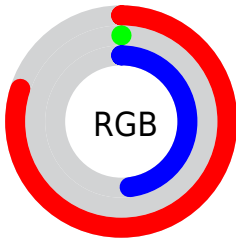
Format	Color
R_{YB}	204, 0, 123
Decimal	13369467
CIE _{Lab}	44.61, 73.30, -9.17
CIE _{LCh}	45, 73.875, 352.872
Yxy	14.2674, 0.4539, 0.2274
Android (android.graphics.Color)	4291559547 (0xFFCC007B)
YUV	75.0180, 23.6551, 113.1172
Hunter-Lab	37.7722, 68.4723, -4.9402

Details

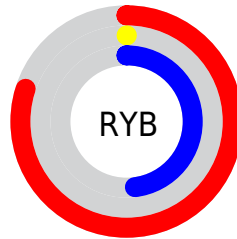
The XYZ color **28.4770, 14.2674, 19.9919** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **23.0799, 43.7806, 15.0256**, and the grayscale version is **6.6430, 6.9889, 7.6109**.

A 20% lighter version of the original color is **52.5502, 31.4999, 43.8678**, and **12.7376, 6.4237, 7.0471** is the 20% darker color. If you saturate the color by 10%, you get **28.4761, 14.2671, 19.9873**, and if you desaturate by 10%, it is **29.2634, 14.9947, 22.8608**.

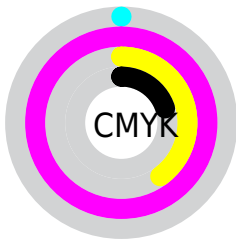
Distribution



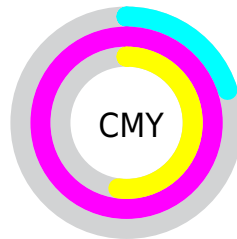
- Red (80%)
- Green (0%)
- Blue (48%)



- Red (80%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4770, 14.2674, 19.9919 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 28.4770, 14.2674, 19.9919 by changing the saturation by 10% instead.


 28.4770, 14.2674,
19.9919


 28.4770, 14.2674,
19.9919

286.7782,
218.8880, 264.4741


 18.8278, 8.3069,
12.2051


 56.6484, 33.5627,
44.2624


 11.6492, 4.2919,
6.7593


 75.9014, 47.6664,
61.5832


 6.5758, 1.8382,
3.2359


 99.0863, 65.2531,
82.9191

 3.2422, 0.5108,
1.2163

 126.5686, 86.7074,
108.6887

 1.2831, 0.0000,
0.0000

 158.7136,
112.4137, 139.3104

 0.1705, 0.0000,
0.0000

 195.8866,

 0.0000, 0.0000,

142.7563, 175.2028

0.0000

238.4530,
178.1196, 216.7845

■ 28.4770, 14.2674,
19.9919

■ 28.4770, 14.2674,
19.9919

■ 28.4761, 14.2671,
19.9873

■ 29.2634, 14.9947,
22.8608

■ 30.3642, 16.2819,
26.0464

■ 31.8736, 18.3163,
29.5847

■ 33.8423, 21.1974,
33.4972

■ 36.3132, 25.0097,
37.8026

■ 39.3239, 29.8273,
42.5176

■ 42.9084, 35.7165,
47.6578

■ 47.0977, 42.7383,
53.2375

■ 51.9207, 50.9488,
59.2702

Harmonies

Analogous

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



24.9550, 14.2674, 45.1112



28.4770, 14.2674, 19.9919



27.1605, 14.2674, 5.9261

Triad

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



28.4770, 14.2674, 19.9919



9.5632, 14.2674, 0.6190



7.7350, 14.2674, 59.3851

Complementary

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



28.4770, 14.2674, 19.9919



23.0799, 43.7806, 15.0256

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.



5.4834, 14.2674, 32.1794



28.4770, 14.2674, 19.9919



6.3016, 14.2674, 2.9275

Square

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



28.4770, 14.2674, 19.9919



15.0388, 14.2674, 0.2529



5.0495, 14.2674, 11.7948



12.1828, 14.2674, 76.5148

Rectangle

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



28.4770, 14.2674, 19.9919



23.8588, 14.2674, 2.1725



5.0495, 14.2674, 11.7948



6.7567, 14.2674, 50.4566

Sweetspot

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



28.4774, 14.2682, 19.9921



70.7988, 58.7156, 78.5643



14.0596, 5.9895, 57.5418



14.5893, 11.6349, 16.0217



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.



28.4774, 14.2682, 19.9921



47.0505, 23.5842, 32.5276



25.0654, 12.9034, 2.0245



11.4915, 11.3254, 13.1231



17.9702, 8.9987, 12.8277



0.9638, 0.4789, 0.8554

Inverse Universe

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



28.4774, 14.2682, 19.9921



47.0505, 23.5842, 32.5276



29.8524, 46.4896, 50.6892



11.4915, 11.3254, 13.1231



17.9702, 8.9987, 12.8277



0.9638, 0.4789, 0.8554

Previews

White Background



This preview shows how the XYZ color 28.4770, 14.2674, 19.9919 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 28.4770, 14.2674, 19.9919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

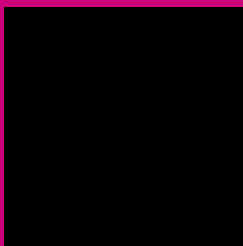
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4770, 14.2674, 19.9919

Background



This preview shows how black text looks on a background with the XYZ color 28.4770, 14.2674, 19.9919.



This preview shows how white text looks on a background with the XYZ color 28.4770, 14.2674,

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

28.4770, 14.2674, 19.9919

Protanopia

16.2150, 15.1049, 43.1352

Deuteranopia

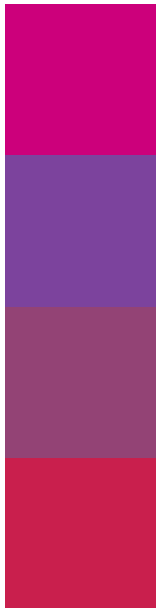
15.1591, 14.9629, 18.0087



Tritanopia

25.4935, 14.7063, 4.5126

Trichromacy



Original Color

28.4770, 14.2674, 19.9919

Protanomaly

16.4051, 10.7337, 33.1055

Deuteranomaly

17.2507, 11.5017, 18.1405

Tritanomaly

25.9169, 13.9333, 8.3446

Monochromacy



Original Color

28.4770, 14.2674, 19.9919

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.0148, 7.0242, 10.9005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4770, 14.2674, 19.9919 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, 0, 123)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 123)  
}
```

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, 0, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 123) }
```

Border

The CSS property to change the border of an element to XYZ 28.4770, 14.2674, 19.9919 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, 0, 123) }
```


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

```
.border{ border-color:rgb(204, 0, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4770, 14.2674, 19.9919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 123) }
```

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

```
.background{ background-color: rgb(204, 0,  
123) }
```

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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