

Converting Colors

XYZ(29.8390, 14.9764, 19.7480)

Have a look what the booklet for
XYZ(29.8390, 14.9764, 19.7480)
contains.

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Color

**XYZ(29.8073, 14.9605,
19.7290)**

Conversions

Conversions Part 1

Format	Color
Hex	D1007A
RGB	209, 0, 122
RGB Percent	82%, 0%, 48%
CMY	0.1804, 0.9998, 0.5216
CMYK	0.00, 1.00, 0.42, 0.18
HSL	325°, 100%, 41%
HSV	325°, 100%, 82%
XYZ	29.8073, 14.9605, 19.7290
YIQ	76.3990, 85.4020, 82.2500

Conversions

Conversions Part 2

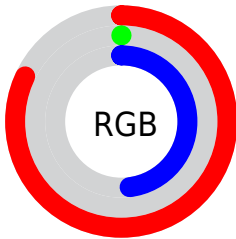
Format	Color
R_{YB}	209, 0, 122
Decimal	13697146
CIE Lab	45.58, 74.27, -7.00
CIE LCh	46, 74.600, 354.615
Yxy	14.9605, 0.4622, 0.2320
Android (android.graphics.Color)	4291887226 (0xFFD1007A)
YUV	76.3990, 22.4813, 116.2911
Hunter-Lab	38.6788, 69.8707, -3.1670

Details

The XYZ color **29.8073, 14.9605, 19.7290** 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 **24.5230, 46.2898, 16.6687**, and the grayscale version is **6.8963, 7.2554, 7.9012**.

A 20% lighter version of the original color is **52.5361, 31.6283, 43.3803**, and **13.4488, 6.7903, 7.0804** is the 20% darker color. If you saturate the color by 10%, you get **29.8061, 14.9599, 19.7230**, and if you desaturate by 10%, it is **30.6381, 15.7202, 22.7865**.

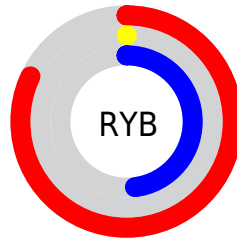
Distribution



Red (82%)

Green (0%)

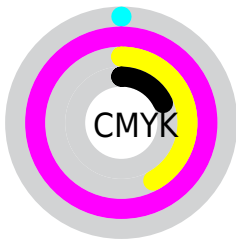
Blue (48%)



Red (82%)

Yellow (0%)

Blue (48%)

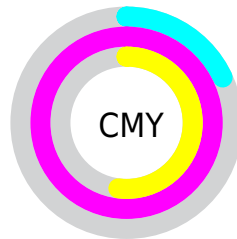


Cyan (0%)

Magenta (100%)

Yellow (42%)

Black (18%)



Cyan (18%)


Magenta (100%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8073, 14.9605, 19.7290 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 29.8073, 14.9605, 19.7290 by changing the saturation by 10% instead.


 29.8073, 14.9605,
19.7290


 29.8073, 14.9605,
19.7290


292.9312,
223.1270, 262.9998


 19.8397, 8.7917,
12.0161


 58.7460, 34.7839,
43.8153

 12.3862, 4.6055,
6.6320


 78.4479, 49.2072,
61.0259


 7.0813, 2.0177,
3.1581


 102.1252, 67.1508,
82.2393

 3.5598, 0.6177,
1.1759

 130.1433, 88.9991,
107.8743

 1.4562, 0.0000,
0.0000

 162.8676,
115.1365, 138.3493

 0.2958, 0.0000,
0.0000

 200.6635,

 0.0000, 0.0000,

145.9473, 174.0828

0.0000

243.8962,
181.8160, 215.4935

■ 29.8073, 14.9605,
19.7290

■ 29.8073, 14.9605,
19.7290

■ 29.8061, 14.9599,
19.7230

■ 30.6381, 15.7202,
22.7865

■ 31.8066, 17.0761,
26.2007

■ 33.4114, 19.2235,
30.0104

■ 35.5066, 22.2686,
34.2391

■ 38.1377, 26.3011,
38.9074

■ 41.3450, 31.3996,
44.0340

■ 45.1646, 37.6347,
49.6360

■ 49.6297, 45.0711,
55.7295

■ 54.7709, 53.7684,
62.3293

Harmonies

Analogous

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



26.4049, 14.9605, 45.3595



29.8073, 14.9605, 19.7290



28.1415, 14.9605, 5.7649

Triad

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



29.8073, 14.9605, 19.7290



9.7875, 14.9605, 0.7526



8.3455, 14.9605, 63.3811

Complementary

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



29.8073, 14.9605, 19.7290



24.5230, 46.2898, 16.6687

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.



5.8676, 14.9605, 35.1850



29.8073, 14.9605, 19.7290



6.5136, 14.9605, 3.3990

Square

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



29.8073, 14.9605, 19.7290



15.3746, 14.9605, 0.3017



5.3116, 14.9605, 13.2749



13.1238, 14.9605, 79.9635

Rectangle

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



29.8073, 14.9605, 19.7290



24.5753, 14.9605, 2.1168



5.3116, 14.9605, 13.2749



7.2786, 14.9605, 54.2636

Sweetspot

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



29.8077, 14.9614, 19.7292



70.5994, 58.6359, 77.5142



15.1319, 6.4720, 60.7730



14.5418, 11.6160, 15.7719



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.



29.8077, 14.9614, 19.7292



46.6512, 23.4245, 30.4250



26.4297, 13.6101, 1.9406



12.0939, 11.9223, 13.7705



18.4278, 9.2439, 12.4247



1.0694, 0.5325, 0.9004

Inverse Universe

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



29.8077, 14.9614, 19.7292



46.6512, 23.4245, 30.4250



31.8892, 49.2363, 55.4586



12.0939, 11.9223, 13.7705



18.4278, 9.2439, 12.4247



1.0694, 0.5325, 0.9004

Previews

White Background



This preview shows how the XYZ color 29.8073, 14.9605, 19.7290 looks on a white background.

Color Contrast Check

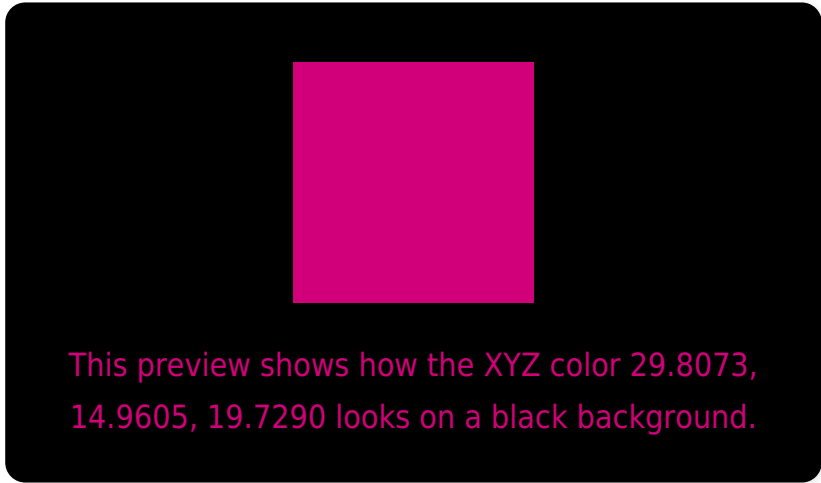
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8073, 14.9605, 19.7290

Background



This preview shows how black text looks on a background with the XYZ color 29.8073, 14.9605, 19.7290.



This preview shows how white text looks on a background with the XYZ color 29.8073, 14.9605,

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

29.8073, 14.9605, 19.7290

Protanopia

16.8467, 15.7516, 42.7099

Deuteranopia

15.8461, 15.6296, 17.8044



Tritanopia

26.7882, 15.3148, 4.4499

Trichromacy



Original Color

29.8073, 14.9605, 19.7290



Protanomaly

17.3348, 11.4024, 32.7397



Deuteranomaly

18.1684, 12.0706, 17.8953



Tritanomaly

27.2481, 14.6236, 8.2240

Monochromacy



Original Color

29.8073, 14.9605, 19.7290



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.3449, 7.1893, 11.1457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8073, 14.9605, 19.7290 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(209, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 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(209, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 122) }
```

Border

The CSS property to change the border of an element to XYZ 29.8073, 14.9605, 19.7290 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(209, 0, 122) }
```


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

```
.border{ border-color:rgb(209, 0, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 0, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8073, 14.9605, 19.7290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 122) }
```

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

```
.background{ background-color: rgb(209, 0,  
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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