

Converting Colors

XYZ(29.8132, 14.8019, 27.0282)

Have a look what the booklet for
XYZ(29.8132, 14.8019, 27.0282)
contains.

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Color

**XYZ(29.7843, 14.7904,
26.8762)**

Conversions

Conversions Part 1

Format	Color
Hex	CC008E
RGB	204, 0, 142
RGB Percent	80%, 0%, 56%
CMY	0.2000, 0.9998, 0.4431
CMYK	0.00, 1.00, 0.30, 0.20
HSL	318°, 100%, 40%
HSV	318°, 100%, 80%
XYZ	29.7843, 14.7904, 26.8762
YIQ	77.1840, 76.0020, 87.4100

Conversions

Conversions Part 2

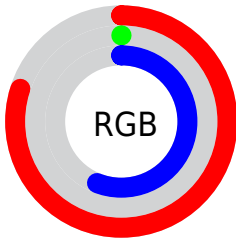
Format	Color
RYB	204, 0, 142
Decimal	13369486
CIELab	45.35, 75.19, -19.69
CIElCh	45, 77.728, 345.326
Yxy	14.7904, 0.4168, 0.2070
Android (android.graphics.Color)	4291559566 (0xFFCC008E)
YUV	77.1840, 31.9543, 111.2176
Hunter-Lab	38.4583, 70.9386, -14.5134

Details

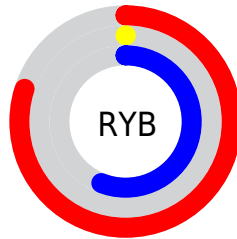
The XYZ color **29.7843, 14.7904, 26.8762** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.4639, 43.5342, 11.7820**, and the grayscale version is **7.0249, 7.3907, 8.0485**.

A 20% lighter version of the original color is **54.8600, 32.5579, 55.6174**, and **13.4334, 6.7020, 10.7108** is the 20% darker color. If you saturate the color by 10%, you get **29.7834, 14.7900, 26.8716**, and if you desaturate by 10%, it is **30.5211, 15.4978, 29.4834**.

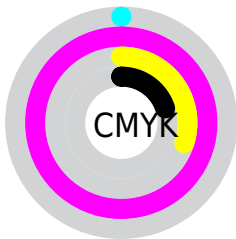
Distribution



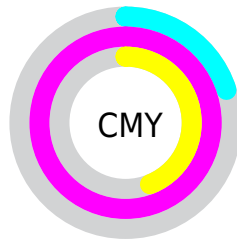
- Red (80%)
- Green (0%)
- Blue (56%)



- Red (80%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7843, 14.7904, 26.8762 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 29.7843, 14.7904, 26.8762 by changing the saturation by 10% instead.


 29.7843, 14.7904,
26.8762


 29.7843, 14.7904,
26.8762


292.8256,
222.0940, 300.7984


 19.8222, 8.6724,
17.2487


 58.7099, 34.4851,
55.6865


 12.3734, 4.5281,
10.2481


 78.4040, 48.8305,
75.7063


 7.0725, 1.9732,
5.4560


 102.0729, 66.6873,
100.0272

 3.5542, 0.5918,
2.4539

 130.0819, 88.4397,
129.0679

 1.4532, 0.0000,
0.8155

 162.7963,
114.4722, 163.2468

 0.2936, 0.0000,
0.0000

 200.5815,

 0.0000, 0.0000,

145.1691, 202.9825

0.0000

243.8028,
180.9150, 248.6935

■ 29.7843, 14.7904,
26.8762

■ 29.7843, 14.7904,
26.8762

■ 29.7834, 14.7900,
26.8716

■ 30.5211, 15.4978,
29.4834

■ 31.5556, 16.7587,
32.3195

■ 32.9815, 18.7597,
35.4180

■ 34.8490, 21.6005,
38.7973

■ 37.2005, 25.3652,
42.4735

■ 40.0731, 30.1276,
46.4609

■ 43.5003, 35.9541,
50.7724

■ 47.5127, 42.9052,
55.4200

■ 52.1387, 51.0371,
60.4148

Harmonies

Analogous

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



24.8450, 14.7904, 56.1850



29.7843, 14.7904, 26.8762



29.7241, 14.7904, 8.4247

Triad

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



29.7843, 14.7904, 26.8762



11.0291, 14.7904, 0.2250



7.0190, 14.7904, 56.8453

Complementary

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



29.7843, 14.7904, 26.8762



22.4639, 43.5342, 11.7820

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.



5.1709, 14.7904, 27.4295



29.7843, 14.7904, 26.8762



6.9564, 14.7904, 1.8182

Square

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



29.7843, 14.7904, 26.8762



17.4379, 14.7904, 0.2090



5.1521, 14.7904, 8.6808



11.1455, 14.7904, 80.6548

Rectangle

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



29.7843, 14.7904, 26.8762



26.7920, 14.7904, 3.0626



5.1521, 14.7904, 8.6808



6.1752, 14.7904, 46.5937

Sweetspot

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



29.7848, 14.7912, 26.8764



71.7894, 59.1119, 83.7807



12.8380, 5.3598, 57.4846



14.8258, 11.7296, 17.2675



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.



29.7848, 14.7912, 26.8764



49.2243, 24.4537, 43.9748



25.2996, 12.9971, 3.2577



11.5367, 11.3434, 13.3606



18.7891, 9.3262, 17.1400



1.0021, 0.4942, 1.0568

Inverse Universe

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



29.7848, 14.7912, 26.8764



49.2243, 24.4537, 43.9748



28.2229, 45.8378, 42.1081



11.5367, 11.3434, 13.3606



18.7891, 9.3262, 17.1400



1.0021, 0.4942, 1.0568

Previews

White Background



This preview shows how the XYZ color 29.7843, 14.7904, 26.8762 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 29.7843, 14.7904, 26.8762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

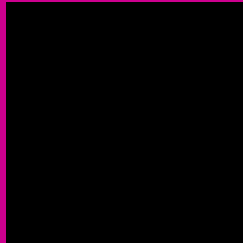
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.7843, 14.7904, 26.8762

Background



This preview shows how black text looks on a background with the XYZ color 29.7843, 14.7904, 26.8762.



This preview shows how white text looks on a background with the XYZ color 29.7843, 14.7904,

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

29.7843, 14.7904, 26.8762

Protanopia

17.7970, 15.5805, 58.5693

Deuteranopia

15.7980, 15.4601, 24.3417



Tritanopia

25.4666, 15.1396, 5.5830

Trichromacy



Original Color

29.7843, 14.7904, 26.8762



Protanomaly

17.0297, 10.7953, 44.9022



Deuteranomaly

18.0127, 11.8411, 24.6287



Tritanomaly

26.2535, 14.2624, 10.8204

Monochromacy



Original Color

29.7843, 14.7904, 26.8762



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.6157, 7.3472, 13.1179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7843, 14.7904, 26.8762 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 142) }
```

Border

The CSS property to change the border of an element to XYZ 29.7843, 14.7904, 26.8762 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, 142) }
```


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

```
.border{ border-color:rgb(204, 0, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 142);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7843, 14.7904, 26.8762 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, 142) }
```

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

```
.background{ background-color: rgb(204, 0,  
142) }
```

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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