

Converting Colors

XYZ(29.9862, 14.7153, 34.9781)

Have a look what the booklet for
XYZ(29.9862, 14.7153, 34.9781)
contains.

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Color

**XYZ(29.9862, 14.7153,
34.9781)**

Conversions

Conversions Part 1

Format	Color
Hex	C700A1
RGB	199, 0, 161
RGB Percent	78%, 0%, 63%
CMY	0.2196, 0.9999, 0.3686
CMYK	0.00, 1.00, 0.19, 0.22
HSL	311°, 100%, 39%
HSV	311°, 100%, 78%
XYZ	29.9862, 14.7153, 34.9781
YIQ	77.8550, 66.9230, 92.2590

Conversions

Conversions Part 2

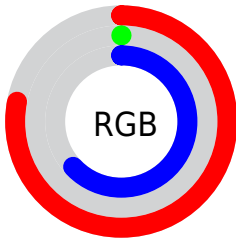
Format	Color
RYB	199, 0, 161
Decimal	13041825
CIELab	45.24, 76.41, -31.39
CIELCh	45, 82.602, 337.668
Yxy	14.7153, 0.3763, 0.1847
Android (android.graphics.Color)	4291231905 (0xFFC700A1)
YUV	77.8550, 40.9905, 106.2442
Hunter-Lab	38.3605, 72.4015, -27.2098

Details

The XYZ color **29.9862, 14.7153, 34.9781** 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 **20.7743, 40.9874, 8.6528**, and the grayscale version is **7.1339, 7.5054, 8.1734**.

A 20% lighter version of the original color is **57.2070, 33.3626, 68.3902**, and **13.5755, 6.6796, 15.0418** is the 20% darker color. If you saturate the color by 10%, you get **29.9859, 14.7152, 34.9756**, and if you desaturate by 10%, it is **30.5757, 15.3494, 36.8536**.

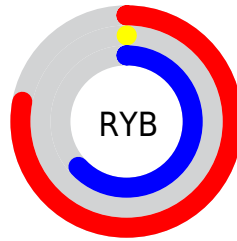
Distribution



Red (78%)

Green (0%)

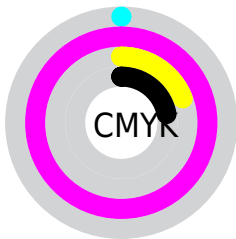
Blue (63%)



Red (78%)

Yellow (0%)

Blue (63%)

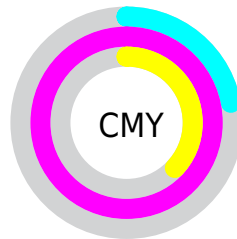


Cyan (0%)

Magenta (100%)

Yellow (19%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9862, 14.7153, 34.9781 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 29.9862, 14.7153, 34.9781 by changing the saturation by 10% instead.


 29.9862, 14.7153,
34.9781


 29.9862, 14.7153,
34.9781

293.7511,
221.6365, 339.3730


 19.9761, 8.6198,
23.3626


 59.0271, 34.3530,
68.6030

 12.4859, 4.4940,
14.6537


 78.7887, 48.6639,
91.4495


 7.1500, 1.9536,
8.4328


 102.5315, 66.4822,
118.8768

 3.6033, 0.5803,
4.2814

 130.6209, 88.1921,
151.3033

 1.4802, 0.0000,
1.7809

 163.4221,
114.1781, 189.1476

 0.3123, 0.0000,
0.4153

 201.3007,

 0.0000, 0.0000,

144.8246, 232.8283

0.0000

244.6219,
180.5159, 282.7639

■ 29.9862, 14.7153,
34.9781

■ 29.9862, 14.7153,
34.9781

■ 29.9859, 14.7152,
34.9756

■ 30.5757, 15.3494,
36.8536

■ 31.4305, 16.4980,
38.8681

■ 32.6402, 18.3398,
41.0521

■ 34.2516, 20.9682,
43.4215

■ 36.3042, 24.4622,
45.9900

■ 38.8327, 28.8911,
48.7695

■ 41.8684, 34.3172,
51.7709

■ 45.4398, 40.7974,
55.0040

■ 49.5733, 48.3843,
58.4781

Harmonies

Analogous

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



23.6421, 14.7153, 68.0235



29.9862, 14.7153, 34.9781



31.4515, 14.7153, 11.5103

Triad

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



29.9862, 14.7153, 34.9781



12.3065, 14.7153, 0.0000



5.9551, 14.7153, 51.7370

Complementary

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



29.9862, 14.7153, 34.9781



20.7743, 40.9874, 8.6528

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.



4.5923, 14.7153, 21.5823



29.9862, 14.7153, 34.9781



7.3994, 14.7153, 0.8822

Square

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



29.9862, 14.7153, 34.9781



19.5920, 14.7153, 0.1116



5.0175, 14.7153, 5.5608



9.5672, 14.7153, 82.0462

Rectangle

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



29.9862, 14.7153, 34.9781



29.1353, 14.7153, 4.1363



5.0175, 14.7153, 5.5608



5.2829, 14.7153, 40.5946

Sweetspot

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



29.9867, 14.7161, 34.9784



73.0462, 59.6146, 90.3987



11.0546, 4.5085, 54.3207



15.1281, 11.8505, 18.8591



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.



29.9867, 14.7161, 34.9784



52.4169, 25.7308, 60.7869



24.4519, 12.5022, 5.8325



10.9929, 10.7805, 12.9458



19.3122, 9.4745, 22.6519



0.9374, 0.4578, 1.1937

Inverse Universe

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



29.9867, 14.7161, 34.9784



52.4169, 25.7308, 60.7869



24.8674, 42.6247, 30.2068



10.9929, 10.7805, 12.9458



19.3122, 9.4745, 22.6519



0.9374, 0.4578, 1.1937

Previews

White Background



This preview shows how the XYZ color 29.9862, 14.7153, 34.9781 looks on a white background.

Color Contrast Check

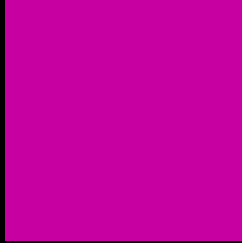
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9862, 14.7153, 34.9781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

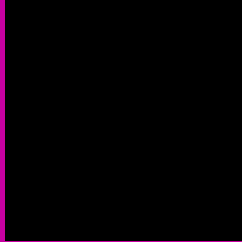
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.9862, 14.7153, 34.9781

Background



This preview shows how black text looks on a background with the XYZ color 29.9862, 14.7153, 34.9781.



This preview shows how white text looks on a background with the XYZ color 29.9862, 14.7153,

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

29.9862, 14.7153, 34.9781

Deuteranopia

15.7723, 15.4463, 31.4283

Tritanopia

24.2765, 15.0366, 6.9330

Trichromacy



Original Color

29.9862, 14.7153, 34.9781

Deuteranomaly

17.7174, 11.6093, 32.3174

Tritanomaly

25.3559, 13.9265, 13.6636

Monochromacy



Original Color

29.9862, 14.7153, 34.9781

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

11.8734, 7.5015, 15.0095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9862, 14.7153, 34.9781 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, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 161)  
}
```

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, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 161) }
```

Border

The CSS property to change the border of an element to XYZ 29.9862, 14.7153, 34.9781 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, 0, 161) }
```

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

```
.border{ border-color:rgb(199, 0, 161) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
161) }
```


Background

The CSS property to change the background color of an element to XYZ 29.9862, 14.7153, 34.9781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 161) }
```

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

```
.background{ background-color: rgb(199, 0,  
161) }
```

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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