

Converting Colors

XYZ(28.6604, 12.8374, 30.6831)

Have a look what the booklet for
XYZ(28.6604, 12.8374, 30.6831)
contains.

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Color

**XYZ(29.4869, 14.5464,
30.9594)**

Conversions

Conversions Part 1

Format	Color
Hex	C80098
RGB	200, 0, 152
RGB Percent	78%, 0%, 60%
CMY	0.2157, 0.9999, 0.4039
CMYK	0.00, 1.00, 0.24, 0.22
HSL	314°, 100%, 39%
HSV	314°, 100%, 78%
XYZ	29.4869, 14.5464, 30.9594
YIQ	77.1280, 70.4080, 89.6720

Conversions

Conversions Part 2

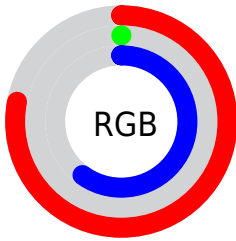
Format	Color
R_{YB}	200, 0, 152
Decimal	13107352
CIE _{Lab}	45.01, 75.52, -26.33
CIE _{LCh}	45, 79.980, 340.779
Yxy	14.5464, 0.3932, 0.1940
Android (android.graphics.Color)	4291297432 (0xFFC80098)
YUV	77.1280, 36.9119, 107.7587
Hunter-Lab	38.1397, 71.2588, -21.4300

Details

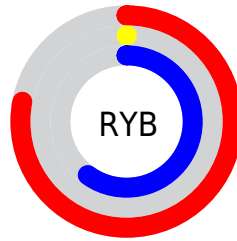
The XYZ color **29.4869, 14.5464, 30.9594** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **21.1890, 41.5226, 9.6981**, and the grayscale version is **7.0060, 7.3709, 8.0269**.

A 20% lighter version of the original color is **56.0749, 32.9098, 62.4282**, and **13.3335, 6.6023, 12.8835** is the 20% darker color. If you saturate the color by 10%, you get **29.4863, 14.5461, 30.9558**, and if you desaturate by 10%, it is **30.1391, 15.2085, 33.1564**.

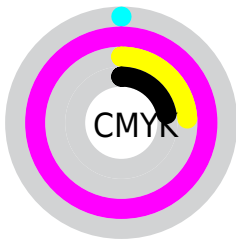
Distribution



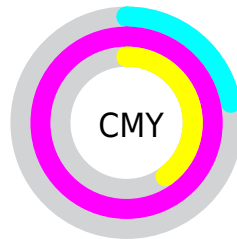
- Red (78%)
- Green (0%)
- Blue (60%)



- Red (78%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4869, 14.5464, 30.9594 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 29.4869, 14.5464, 30.9594 by changing the saturation by 10% instead.


 29.4869, 14.5464,
30.9594

 29.4869, 14.5464,
30.9594

291.4583,
220.6040, 320.6966


 19.5956, 8.5017,
20.3097


 58.2420, 34.0554,
62.2550


 12.2080, 4.4176,
12.4341


 77.8365, 48.2885,
83.7380


 6.9587, 1.9098,
6.9139


 101.3961, 66.0199,
109.6691

 3.4824, 0.5543,
3.3307

 129.2862, 87.6339,
140.4670

 1.4137, 0.0000,
1.2659

 161.8721,
113.5149, 176.5502

 0.2659, 0.0000,
0.0336

 199.5192,

 0.0000, 0.0000,

144.0473, 218.3371

0.0000

242.5928,
179.6156, 266.2464

■ 29.4869, 14.5464,
30.9594

■ 29.4869, 14.5464,
30.9594

■ 29.4863, 14.5461,
30.9558

■ 30.1391, 15.2085,
33.1564

■ 31.0657, 16.3939,
35.5242

■ 32.3572, 18.2829,
38.0940

■ 34.0609, 20.9701,
40.8824

■ 36.2170, 24.5354,
43.9037

■ 38.8608, 29.0492,
47.1704

■ 42.0240, 34.5746,
50.6939

■ 45.7354, 41.1691,
54.4848

■ 50.0219, 48.8861,
58.5527

Harmonies

Analogous

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



23.8108, 14.5464, 61.9743



29.4869, 14.5464, 30.9594



30.2906, 14.5464, 9.9970

Triad

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



29.4869, 14.5464, 30.9594



11.5983, 14.5464, 0.0000



6.3042, 14.5464, 53.0960

Complementary

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



29.4869, 14.5464, 30.9594



21.1890, 41.5226, 9.6981

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.



4.7670, 14.5464, 23.6017



29.4869, 14.5464, 30.9594



7.1147, 14.5464, 1.2091

Square

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



29.4869, 14.5464, 30.9594



18.4090, 14.5464, 0.1452



5.0073, 14.5464, 6.6730



10.0746, 14.5464, 80.3118

Rectangle

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



29.4869, 14.5464, 30.9594



27.7436, 14.5464, 3.6109



5.0073, 14.5464, 6.6730



5.5728, 14.5464, 42.4541

Sweetspot

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



29.4874, 14.5472, 30.9597



72.4931, 59.3933, 87.4861



11.5840, 4.7680, 54.9535



14.9948, 11.7972, 18.1572



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.



29.4874, 14.5472, 30.9597



50.9539, 25.1456, 53.0829



24.4708, 12.5405, 4.5425



10.9700, 10.7714, 12.8255



18.7849, 9.2635, 19.8751



0.9165, 0.4494, 1.0833

Inverse Universe

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



29.4874, 14.5472, 30.9597



50.9539, 25.1456, 53.0829



25.8959, 43.4053, 34.4840



10.9700, 10.7714, 12.8255



18.7849, 9.2635, 19.8751



0.9165, 0.4494, 1.0833

Previews

White Background



This preview shows how the XYZ color 29.4869, 14.5464, 30.9594 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 29.4869, 14.5464, 30.9594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

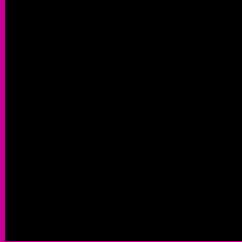
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.4869, 14.5464, 30.9594

Background



This preview shows how black text looks on a background with the XYZ color 29.4869, 14.5464, 30.9594.



This preview shows how white text looks on a background with the XYZ color 29.4869, 14.5464,

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

29.4869, 14.5464, 30.9594

Protanopia

18.1738, 15.4361, 66.9873

Deuteranopia

15.5070, 15.2351, 27.7145



Tritanopia

24.5054, 14.9281, 6.2925

Trichromacy



Original Color

29.4869, 14.5464, 30.9594



Protanomaly

16.4567, 10.3514, 51.5827



Deuteranomaly

17.5720, 11.5279, 28.4931



Tritanomaly

25.5236, 13.9482, 12.1735

Monochromacy



Original Color

29.4869, 14.5464, 30.9594



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.6230, 7.3337, 13.8996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4869, 14.5464, 30.9594 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(200, 0, 152)` looks like.

```
.text, #text, p{  
    color:rgb(200, 0, 152)  
}
```

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(200, 0, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 0, 152) }
```

Border

The CSS property to change the border of an element to XYZ 29.4869, 14.5464, 30.9594 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(200, 0, 152) }
```


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

```
.border{ border-color:rgb(200, 0, 152) }
```

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

Here you see how a box with a 4 pixel rgb(200, 0, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 0, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 0, 152);  
box-shadow:4px 4px 4px 4px rgb(200, 0,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4869, 14.5464, 30.9594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 0, 152) }
```

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

```
.background{ background-color: rgb(200, 0,  
152) }
```

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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