

Converting Colors

XYZ(28.8318, 14.9515, 29.4728)

Have a look what the booklet for
XYZ(28.8318, 14.9515, 29.4728)
contains.

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Color

**XYZ(28.8612, 14.9884,
29.3889)**

Conversions

Conversions Part 1

Format	Color
Hex	C51F94
RGB	197, 31, 148
RGB Percent	77%, 12%, 58%
CMY	0.2275, 0.8784, 0.4196
CMYK	0.00, 0.84, 0.25, 0.23
HSL	318°, 73%, 45%
HSV	318°, 84%, 77%
XYZ	28.8612, 14.9884, 29.3889
YIQ	93.9720, 61.3790, 71.5790

Conversions

Conversions Part 2

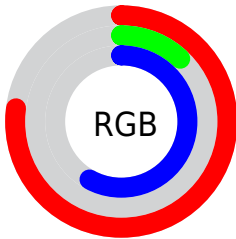
Format	Color
R_{YB}	197, 31, 148
Decimal	12918676
CIE _{Lab}	45.62, 70.47, -23.01
CIE _{LCh}	46, 74.136, 341.915
Yxy	14.9884, 0.3941, 0.2047
Android (android.graphics.Color)	4291108756 (0xFFC51F94)
YUV	93.9720, 26.6358, 90.3556
Hunter-Lab	38.7149, 65.3174, -17.9073

Details

The XYZ color **28.8612, 14.9884, 29.3889** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **21.9803, 40.8035, 14.3095**, and the grayscale version is **10.5634, 11.1135, 12.1026**.

A 20% lighter version of the original color is **56.2684, 34.2596, 59.5242**, and **12.6389, 6.2663, 11.8526** is the 20% darker color. If you saturate the color by 10%, you get **28.0457, 14.0755, 26.9027**, and if you desaturate by 10%, it is **30.0148, 16.5401, 32.1021**.

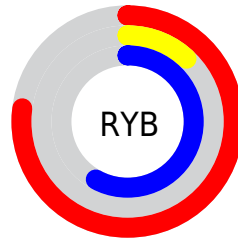
Distribution



Red (77%)

Green (12%)

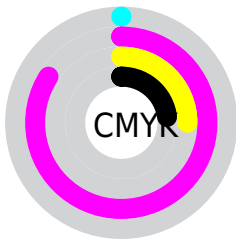
Blue (58%)



Red (77%)

Yellow (12%)

Blue (58%)

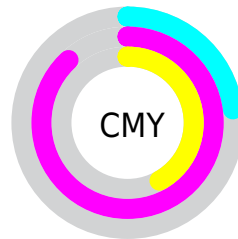


Cyan (0%)

Magenta (84%)

Yellow (25%)

Black (23%)



Cyan (23%)


Magenta (88%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8612, 14.9884, 29.3889 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 28.8612, 14.9884, 29.3889 by changing the saturation by 10% instead.

 28.8612, 14.9884,
29.3889


 28.8612, 14.9884,
29.3889


288.5655,
223.2960, 313.1637


 19.1196, 8.8112,
19.1271


 57.2556, 34.8328,
59.7439

 11.8612, 4.6183,
11.5844


 76.6391, 49.2689,
80.6743


 6.7208, 2.0251,
6.3423


 99.9672, 67.2267,
105.9979

 3.3329, 0.6220,
2.9822

 127.6054, 89.0907,
136.1333

 1.3321, 0.0000,
1.0855

 159.9190,
115.2452, 171.4990

 0.2071, 0.0000,
0.0000

 197.2733,

 0.0000, 0.0000,

146.0747, 212.5136

0.0000

240.0337,
181.9635, 259.5957

■ 28.8612, 14.9884,
29.3889

■ 28.8612, 14.9884,
29.3889

■ 28.0457, 14.0755,
26.9027

■ 30.0148, 16.5401,
32.1021

■ 27.6749, 13.7299,
25.5582

■ 31.5551, 18.8279,
35.0599

■ 33.5241, 21.9349,
38.2779

■ 35.9577, 25.9325,
41.7697

■ 38.8878, 30.8842,
45.5474

■ 42.3436, 36.8476,
49.6223

■ 46.3518, 43.8760,
54.0047

■ 50.9374, 52.0186,
58.7043

■ 56.1238, 61.3217,
63.7305

Harmonies

Analogous

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



23.7936, 14.9884, 57.2301



28.8612, 14.9884, 29.3889



29.3966, 14.9884, 10.2335

Triad

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



28.8612, 14.9884, 29.3889



11.9223, 14.9884, 0.4274



7.0851, 14.9884, 51.4355

Complementary

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



28.8612, 14.9884, 29.3889



21.9803, 40.8035, 14.3095

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.



5.4713, 14.9884, 24.4386



28.8612, 14.9884, 29.3889



7.6705, 14.9884, 1.8130

Square

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



28.8612, 14.9884, 29.3889



18.2794, 14.9884, 0.5718



5.6488, 14.9884, 7.8456



10.8544, 14.9884, 75.1042

Rectangle

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



28.8612, 14.9884, 29.3889



26.9608, 14.9884, 4.1019



5.6488, 14.9884, 7.8456



6.3297, 14.9884, 41.8640

Sweetspot

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



28.8617, 14.9892, 29.3892



75.0920, 64.6974, 88.0247



13.7139, 6.6335, 53.3810



15.5848, 13.0028, 18.2750



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.



28.8617, 14.9892, 29.3892



49.4500, 24.5440, 45.1633



24.5288, 13.2560, 6.5726



10.9445, 10.7612, 12.6911



18.2411, 9.0460, 17.0111



0.8943, 0.4406, 0.9667

Inverse Universe

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



28.8617, 14.9892, 29.3892



49.4500, 24.5440, 45.1633



26.9680, 42.7986, 40.5747



10.9445, 10.7612, 12.6911



18.2411, 9.0460, 17.0111



0.8943, 0.4406, 0.9667

Previews

White Background



This preview shows how the XYZ color 28.8612, 14.9884, 29.3889 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

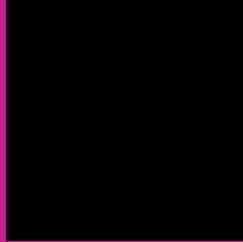
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.8612, 14.9884, 29.3889

Background



This preview shows how black text looks on a background with the XYZ color 28.8612, 14.9884, 29.3889.



This preview shows how white text looks on a background with the XYZ color 28.8612, 14.9884,

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

28.8612, 14.9884, 29.3889

Protanopia

17.7980, 15.5672, 59.1935

Deuteranopia

15.6268, 15.3225, 26.5600



Tritanopia

24.3324, 15.1484, 6.9517

Trichromacy



Original Color

28.8612, 14.9884, 29.3889



Protanomaly

17.7544, 12.3039, 46.7865



Deuteranomaly

18.1597, 12.9482, 27.1333



Tritanomaly

25.3316, 14.6380, 12.5566

Monochromacy



Original Color

28.8612, 14.9884, 29.3889



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

14.6506, 10.5467, 17.1831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8612, 14.9884, 29.3889 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(197, 31, 148)` looks like.

```
.text, #text, p{  
    color:rgb(197, 31, 148)  
}
```

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(197, 31, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 31, 148) }
```

Border

The CSS property to change the border of an element to XYZ 28.8612, 14.9884, 29.3889 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(197, 31, 148) }
```


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

```
.border{ border-color:rgb(197, 31, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 31, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 31, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 31, 148);  
box-shadow:4px 4px 4px 4px rgb(197, 31,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8612, 14.9884, 29.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 31, 148) }
```

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

```
.background{ background-color: rgb(197, 31,  
148) }
```

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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