

Converting Colors

XYZ(28.8376, 13.8785, 45.9808)

Have a look what the booklet for
XYZ(28.8376, 13.8785, 45.9808)
contains.

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Color

**XYZ(28.7969, 13.8580,
45.9568)**

Conversions

Conversions Part 1	
Format	Color
Hex	BA00B7
RGB	186, 0, 183
RGB Percent	73%, 0%, 72%
CMY	0.2706, 0.9999, 0.2824
CMYK	0.00, 1.00, 0.02, 0.27
HSL	301°, 100%, 36%
HSV	301°, 100%, 73%
XYZ	28.7969, 13.8580, 45.9568
YIQ	76.4760, 52.1130, 96.3450

Conversions

Conversions Part 2

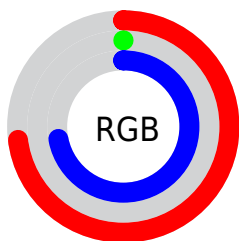
Format	Color
RYB	186, 0, 183
Decimal	12189879
CIELab	44.03, 77.08, -46.53
CIELCh	44, 90.029, 328.883
Yxy	13.8580, 0.3250, 0.1564
Android (android.graphics.Color)	4290379959 (0xFFBA00B7)
YUV	76.4760, 52.5163, 96.0525
Hunter-Lab	37.2263, 72.9348, -47.1365

Details

The XYZ color **28.7969, 13.8580, 45.9568** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.5760, 35.1250, 5.9403**, and the grayscale version is **6.8593, 7.2165, 7.8588**.

A 20% lighter version of the original color is **57.2239, 32.8635, 85.7653**, and **12.8645, 6.1742, 21.2826** is the 20% darker color. If you saturate the color by 10%, you get **28.7972, 13.8581, 45.9568**, and if you desaturate by 10%, it is **29.0550, 14.3238, 46.1972**.

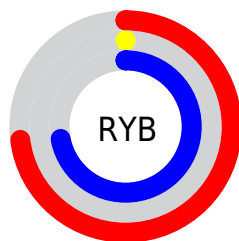
Distribution



Red (73%)

Green (0%)

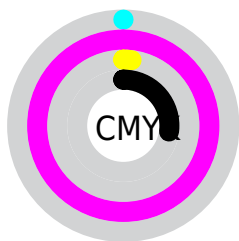
Blue (72%)



Red (73%)

Yellow (0%)

Blue (72%)

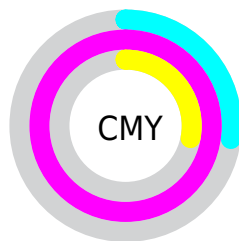


Cyan (0%)

Magenta (100%)

Yellow (2%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7969, 13.8580, 45.9568 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 28.7969, 13.8580, 45.9568 by changing the saturation by 10% instead.

 28.7969, 13.8580,
45.9568


 28.7969, 13.8580,
45.9568


288.2670,
216.3456, 386.9075


 19.0707, 8.0220,
31.8633


 57.1540, 32.8369,
85.4879

 11.8257, 4.1090,
20.9932


 76.5157, 46.7485,
111.7627

 6.6965, 1.7347,
12.9278


 99.8200, 64.1207,
142.9349

 3.3176, 0.4460,
7.2487

 127.4321, 85.3381,
179.4232

 1.3239, 0.0000,
3.5373

 159.7176,
110.7848, 221.6460

 0.2010, 0.0000,
1.3751

 197.0416,


 0.0000, 0.0000,


140.8454, 270.0220


0.1222


239.7696,
175.9042, 324.9696


 0.0000, 0.0000,
0.0000


 28.7969, 13.8580,
45.9568


 28.7969, 13.8580,
45.9568


 28.7972, 13.8581,
45.9568

 29.0550, 14.3238,
46.1972

 29.5284, 15.2203,
46.5096

 30.2969, 16.7071,
46.9207

 31.3999, 18.8628,
47.4437

 32.8708, 21.7540,
48.0896

■ 34.7387, 25.4393,
48.8682

■ 37.0301, 29.9714,
49.7882

■ 39.7690, 35.3984,
50.8578

■ 42.9778, 41.7651,
52.0843

Harmonies

Analogous

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



20.9914, 13.8580, 82.4956



28.7969, 13.8580, 45.9568



32.2548, 13.8580, 15.8697

Triad

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



28.7969, 13.8580, 45.9568



13.4415, 13.8580, 0.0000



4.4281, 13.8580, 43.2194

Complementary

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



28.7969, 13.8580, 45.9568



17.5760, 35.1250, 5.9403

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.



3.6527, 13.8580, 14.3343



28.7969, 13.8580, 45.9568



7.5841, 13.8580, 0.0000

Square

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



28.7969, 13.8580, 45.9568



21.6312, 13.8580, 0.0000



4.5590, 13.8580, 2.5168



7.2673, 13.8580, 80.1362

Rectangle

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



28.7969, 13.8580, 45.9568



30.9337, 13.8580, 5.5963



4.5590, 13.8580, 2.5168



3.9753, 13.8580, 31.7569

Sweetspot

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



28.7975, 13.8587, 45.9571



66.8878, 53.8674, 90.1518



8.8636, 3.5459, 46.6722



14.3247, 11.0609, 19.6915



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.7975, 13.8587, 45.9571



52.1866, 25.1146, 83.2492



22.2265, 11.2303, 11.3550



9.3745, 9.1602, 11.3196



19.3765, 9.3243, 30.9329



0.6851, 0.3295, 1.1010

Inverse Universe

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



28.7975, 13.8587, 45.9571



52.1866, 25.1146, 83.2492



19.5357, 35.9089, 16.2603



9.3745, 9.1602, 11.3196



19.3765, 9.3243, 30.9329



0.6851, 0.3295, 1.1010

Previews

White Background



This preview shows how the XYZ color 28.7969, 13.8580, 45.9568 looks on a white background.

Color Contrast Check

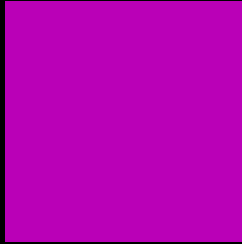
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7969, 13.8580, 45.9568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

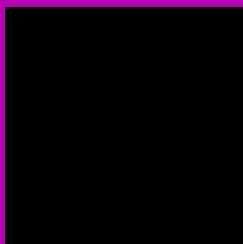
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.7969, 13.8580, 45.9568

Background



This preview shows how black text looks on a background with the XYZ color 28.7969, 13.8580, 45.9568.



This preview shows how white text looks on a background with the XYZ color 28.7969, 13.8580,

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

28.7969, 13.8580, 45.9568

Protanopia

17.3746, 14.7102, 67.5693

Deuteranopia

15.0188, 14.6872, 41.0731



Tritanopia

21.3361, 14.2845, 8.6538

Trichromacy



Original Color
28.7969, 13.8580, 45.9568



Protanomaly
15.3516, 9.5332, 58.7886



Deuteranomaly
16.3340, 10.5838, 42.2563

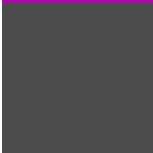


Tritanomaly
22.7198, 12.7987, 17.7959

Monochromacy



Original Color
28.7969, 13.8580, 45.9568



Achromatopsia
6.8694, 7.2272, 7.8704



Achromatomaly
11.3539, 7.0647, 16.9849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7969, 13.8580, 45.9568 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(186, 0, 183)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 183)  
}
```

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(186, 0, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 183) }
```

Border

The CSS property to change the border of an element to XYZ 28.7969, 13.8580, 45.9568 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(186, 0, 183) }
```


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

```
.border{ border-color:rgb(186, 0, 183) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 183);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7969, 13.8580, 45.9568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 183) }
```

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

```
.background{ background-color: rgb(186, 0,  
183) }
```

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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