

Converting Colors

XYZ(28.8730, 13.8158, 49.6370)

Have a look what the booklet for
XYZ(28.8730, 13.8158, 49.6370)
contains.

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Color

**XYZ(28.8227, 13.7850,
49.8568)**

Conversions

Conversions Part 1

Format	Color
Hex	B700BE
RGB	183, 0, 190
RGB Percent	72%, 0%, 75%
CMY	0.2823, 0.9999, 0.2549
CMYK	0.04, 1.00, 0.00, 0.25
HSL	298°, 100%, 37%
HSV	298°, 100%, 75%
XYZ	28.8227, 13.7850, 49.8568
YIQ	76.3770, 48.0780, 97.8860

Conversions

Conversions Part 2

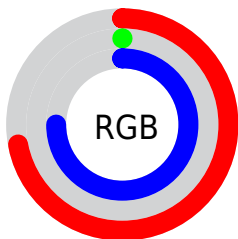
Format	Color
RYB	183, 0, 190
Decimal	11993278
CIELab	43.92, 77.63, -50.84
CIElCh	44, 92.795, 326.781
Yxy	13.7850, 0.3117, 0.1491
Android (android.graphics.Color)	4290183358 (0xFFB700BE)
YUV	76.3770, 56.0161, 93.5084
Hunter-Lab	37.1282, 73.5958, -53.6267

Details

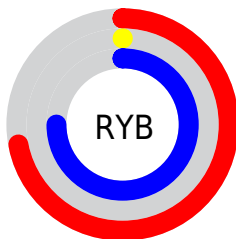
The XYZ color **28.8227, 13.7850, 49.8568** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.5015, 36.8724, 6.1426**, and the grayscale version is **6.8352, 7.1912, 7.8312**.

A 20% lighter version of the original color is **57.2404, 32.7495, 91.3001**, and **12.9014, 6.1375, 23.7972** is the 20% darker color. If you saturate the color by 10%, you get **28.8229, 13.7851, 49.8570**, and if you desaturate by 10%, it is **29.2232, 14.3377, 49.9426**.

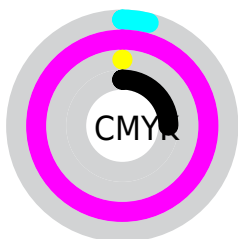
Distribution



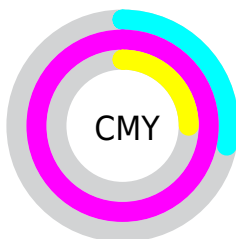
- Red (72%)
- Green (0%)
- Blue (75%)



- Red (72%)
- Yellow (0%)
- Blue (75%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (28%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8227, 13.7850, 49.8568 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 28.8227, 13.7850, 49.8568 by changing the saturation by 10% instead.


 28.8227, 13.7850,
49.8568


 28.8227, 13.7850,
49.8568


288.3868,
215.8892, 402.8247


 19.0903, 7.9713,
34.9292


 57.1948, 32.7071,
91.3568


 11.8400, 4.0766,
23.3253


 76.5652, 46.5842,
118.7663

 6.7062, 1.7165,
14.6263


 99.8791, 63.9179,
151.1735

 3.3238, 0.4343,
8.4138

 127.5017, 85.0926,
188.9971

 1.3272, 0.0000,
4.2693

 159.7984,
110.4927, 232.6554

 0.2034, 0.0000,
1.7742

 197.1346,

 0.0000, 0.0000,

140.5025, 282.5671

0.4109

239.8756,
175.5066, 339.1507

■ 0.0000, 0.0000,
0.0000

■ 28.8227, 13.7850,
49.8568

■ 28.8227, 13.7850,
49.8568

■ 28.8229, 13.7851,
49.8570

■ 29.2232, 14.3377,
49.9426

■ 29.8515, 15.3453,
50.1039

■ 30.7905, 16.9730,
50.3686

■ 32.0816, 19.3038,
50.7505

■ 33.7601, 22.4080,
51.2612

■ 35.8568, 26.3474,
51.9110

■ 38.3994, 31.1775,
52.7093

■ 41.4135, 36.9490,
53.6645

■ 44.9223, 43.7090,
54.7844

Harmonies

Analogous

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



20.5508, 13.7850, 87.8032



28.8227, 13.7850, 49.8568



32.8639, 13.7850, 17.3971

Triad

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



28.8227, 13.7850, 49.8568



13.9113, 13.7850, 0.0000



4.1064, 13.7850, 41.6022

Complementary

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



28.8227, 13.7850, 49.8568



18.5015, 36.8724, 6.1426

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.



3.4556, 13.7850, 12.8510



28.8227, 13.7850, 49.8568



7.7137, 13.7850, 0.0000

Square

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



28.8227, 13.7850, 49.8568



22.4613, 13.7850, 0.0000



4.4833, 13.7850, 1.9670



6.7886, 13.7850, 80.6343

Rectangle

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



28.8227, 13.7850, 49.8568



31.8064, 13.7850, 6.0992



4.4833, 13.7850, 1.9670



3.6993, 13.7850, 29.9756

Sweetspot

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



28.8233, 13.7856, 49.8571



69.3364, 56.0233, 95.4383



9.3979, 3.9245, 48.9775



14.7751, 11.4446, 20.8156



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.8233, 13.7856, 49.8571



52.1823, 24.9553, 90.3457



23.7602, 11.9575, 14.2886



9.8943, 9.6779, 12.0187



19.1807, 9.1741, 33.1527



0.7622, 0.3650, 1.2991

Inverse Universe

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



21.2740, 10.9630, 1.1964



38.5313, 19.8578, 2.0638



20.0739, 37.4912, 14.8799



9.5440, 9.5419, 9.9879



14.1521, 7.2920, 0.8289



0.5593, 0.2876, 0.0584

Previews

White Background



This preview shows how the XYZ color 28.8227, 13.7850, 49.8568 looks on a white background.

Color Contrast Check

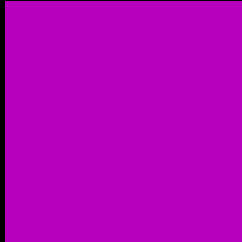
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8227, 13.7850, 49.8568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

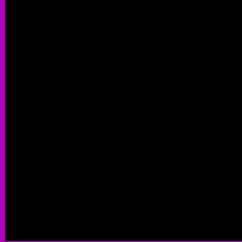
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.8227, 13.7850, 49.8568

Background



This preview shows how black text looks on a background with the XYZ color 28.8227, 13.7850, 49.8568.



This preview shows how white text looks on a background with the XYZ color 28.8227, 13.7850,

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

28.8227, 13.7850, 49.8568

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.9699, 14.5823, 44.6735



Tritanopia

20.5416, 14.1574, 9.2394

Trichromacy



Original Color

28.8227, 13.7850, 49.8568



Protanomaly

15.4675, 9.4789, 60.0459



Deuteranomaly

16.0939, 10.3779, 45.9546



Tritanomaly

22.1263, 12.5839, 19.0321

Monochromacy



Original Color

28.8227, 13.7850, 49.8568



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.3381, 7.0431, 17.5915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8227, 13.7850, 49.8568 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(183, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(183, 0, 190)  
}
```

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(183, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 0, 190) }
```

Border

The CSS property to change the border of an element to XYZ 28.8227, 13.7850, 49.8568 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(183, 0, 190) }
```


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

```
.border{ border-color:rgb(183, 0, 190) }
```

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

Here you see how a box with a 4 pixel rgb(183, 0, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(183, 0,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8227, 13.7850, 49.8568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 0, 190) }
```

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

```
.background{ background-color: rgb(183, 0,  
190) }
```

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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