

Converting Colors

XYZ(28.8219, 13.8134, 48.5537)

Have a look what the booklet for
XYZ(28.8219, 13.8134, 48.5537)
contains.

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Color

**XYZ(28.8443, 13.8212,
48.7244)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | B800BC |
| RGB | 184, 0, 188 |
| RGB Percent | 72%, 0%, 74% |
| CMY | 0.2784, 0.9999, 0.2627 |
| CMYK | 0.02, 1.00, 0.00, 0.26 |
| HSL | 299°, 100%, 37% |
| HSV | 299°, 100%, 74% |
| XYZ | 28.8443, 13.8212, 48.7244 |
| YIQ | 76.4480, 49.3160, 97.4760 |

Conversions

Conversions Part 2

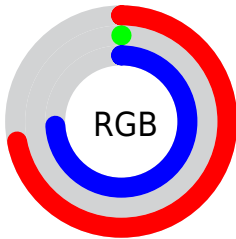
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 184, 0, 188 |
| Decimal | 12058812 |
| CIELab | 43.98, 77.49, -49.57 |
| CIELCh | 44, 91.988, 327.392 |
| Yxy | 13.8212, 0.3156, 0.1512 |
| Android (android.graphics.Color) | 4290248892 (0xFFB800BC) |
| YUV | 76.4480, 54.9951, 94.3231 |
| Hunter-Lab | 37.1769, 73.4327, -51.6823 |

Details

The XYZ color **28.8443, 13.8212, 48.7244** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.0337, 35.9925, 5.9974**, and the grayscale version is **6.8498, 7.2065, 7.8479**.

A 20% lighter version of the original color is **57.2794, 32.8051, 89.6993**, and **12.9073, 6.1569, 23.0624** is the 20% darker color. If you saturate the color by 10%, you get **28.8446, 13.8213, 48.7246**, and if you desaturate by 10%, it is **29.1705, 14.3305, 48.8057**.

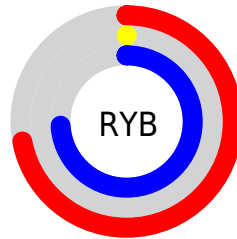
Distribution



Red (72%)

Green (0%)

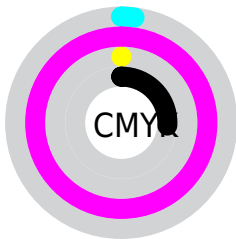
Blue (74%)



Red (72%)

Yellow (0%)

Blue (74%)

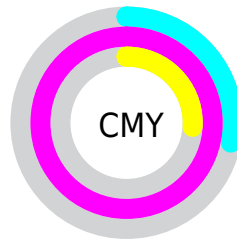


Cyan (2%)

Magenta (100%)

Yellow (0%)

Black (26%)



Cyan (28%)


Magenta (100%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8443, 13.8212, 48.7244 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 28.8443, 13.8212, 48.7244 by changing the saturation by 10% instead.

 28.8443, 13.8212,
48.7244


 28.8443, 13.8212,
48.7244

288.4871,
216.1157, 398.2476

 19.1068, 7.9964,
34.0368


 57.2289, 32.7714,
89.6587


 11.8519, 4.0927,
22.6443


 76.6066, 46.6657,
116.7426

 6.7144, 1.7255,
14.1283


 99.9285, 64.0185,
148.7956

 3.3289, 0.4401,
8.0702

 127.5599, 85.2144,
186.2364

 1.3300, 0.0000,
4.0515

 159.8660,
110.6376, 229.4835

 0.2055, 0.0000,
1.6536

 197.2124,

 0.0000, 0.0000,

140.6726, 278.9553

0.3287

239.9643,
175.7039, 335.0705

■ 0.0000, 0.0000,
0.0000

■ 28.8443, 13.8212,
48.7244

■ 28.8443, 13.8212,
48.7244

■ 28.8446, 13.8213,
48.7246

■ 29.1705, 14.3305,
48.8057

■ 29.7179, 15.2825,
48.9606

■ 30.5680, 16.8395,
49.2163

■ 31.7611, 19.0822,
49.5863

■ 33.3316, 22.0792,
50.0820

■ 35.3096, 25.8906,
50.7135

■ 37.7219, 30.5704,
51.4896

■ 40.5934, 36.1683,
52.4188

■ 43.9470, 42.7298,
53.5085

Harmonies

Analogous

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



20.7024, 13.8212, 86.2876



28.8443, 13.8212, 48.7244



32.7151, 13.8212, 16.9512

Triad

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



28.8443, 13.8212, 48.7244



13.7850, 13.8212, 0.0000



4.2051, 13.8212, 42.1208

Complementary

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



28.8443, 13.8212, 48.7244



18.0337, 35.9925, 5.9974

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.



3.5174, 13.8212, 13.2946



28.8443, 13.8212, 48.7244



7.6834, 13.8212, 0.0000

Square

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



28.8443, 13.8212, 48.7244



22.2353, 13.8212, 0.0000



4.5108, 13.8212, 2.1236



6.9361, 13.8212, 80.5653

Rectangle

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



28.8443, 13.8212, 48.7244



31.5773, 13.8212, 5.9533



4.5108, 13.8212, 2.1236



3.7842, 13.8212, 30.5289

Sweetspot

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



28.8449, 13.8218, 48.7247



68.1262, 54.9394, 93.2399



9.1456, 3.7675, 47.8223



14.2362, 11.0102, 19.9174



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.



28.8449, 13.8218, 48.7247



52.2479, 25.0344, 88.3046



23.0530, 11.6173, 13.1542



9.9094, 9.6857, 12.0194



19.6473, 9.4146, 33.1746



0.7760, 0.3721, 1.2998

Inverse Universe

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



20.7613, 10.7007, 1.0866



37.6150, 19.3879, 1.9093



19.7344, 36.6670, 15.2145



9.5382, 9.5396, 9.9571



14.1387, 7.2866, 0.7578



0.5567, 0.2866, 0.0447

Previews

White Background



This preview shows how the XYZ color 28.8443, 13.8212, 48.7244 looks on a white background.

Color Contrast Check

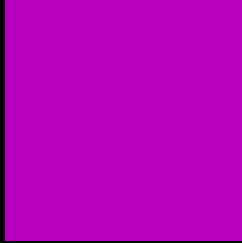
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8443, 13.8212, 48.7244 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 28.8443, 13.8212, 48.7244

Background



This preview shows how black text looks on a background with the XYZ color 28.8443, 13.8212, 48.7244.



This preview shows how white text looks on a background with the XYZ color 28.8443, 13.8212,

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

28.8443, 13.8212, 48.7244

Protanopia

17.2758, 14.5125, 67.5363

Deuteranopia

14.9971, 14.6195, 43.6264



Tritanopia

20.8733, 14.2327, 9.0442

Trichromacy



Original Color

28.8443, 13.8212, 48.7244



Protanomaly

15.3456, 9.4301, 59.4039



Deuteranomaly

16.1165, 10.4135, 44.8766



Tritanomaly

22.2508, 12.5950, 18.7111

Monochromacy



Original Color

28.8443, 13.8212, 48.7244



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 28.8443, 13.8212, 48.7244 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(184, 0, 188)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 188)  
}
```

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(184, 0, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 188) }
```

Border

The CSS property to change the border of an element to XYZ 28.8443, 13.8212, 48.7244 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(184, 0, 188) }
```


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

```
.border{ border-color:rgb(184, 0, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 0, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 188);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8443, 13.8212, 48.7244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 188) }
```

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

```
.background{ background-color: rgb(184, 0,  
188) }
```

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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