

Converting Colors

XYZ(26.5876, 12.8377, 40.4912)

Have a look what the booklet for
XYZ(26.5876, 12.8377, 40.4912)
contains.

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Color

**XYZ(26.5989, 12.8409,
40.6118)**

Conversions

Conversions Part 1

Format	Color
Hex	B500AD
RGB	181, 0, 173
RGB Percent	71%, 0%, 68%
CMY	0.2902, 0.9999, 0.3216
CMYK	0.00, 1.00, 0.04, 0.29
HSL	303°, 100%, 35%
HSV	303°, 100%, 71%
XYZ	26.5989, 12.8409, 40.6118
YIQ	73.8410, 52.3430, 92.1750

Conversions

Conversions Part 2

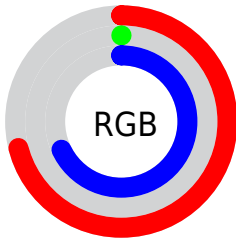
Format	Color
RYB	181, 0, 173
Decimal	11862189
CIELab	42.52, 74.80, -43.07
CIELCh	43, 86.308, 330.068
Yxy	12.8409, 0.3323, 0.1604
Android (android.graphics.Color)	4290052269 (0xFFB500AD)
YUV	73.8410, 48.8854, 93.9784
Hunter-Lab	35.8342, 69.7866, -42.1109

Details

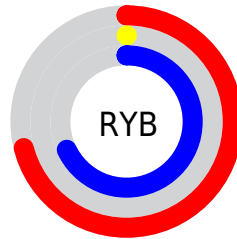
The XYZ color **26.5989, 12.8409, 40.6118** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **16.5683, 33.0659, 5.7395**, and the grayscale version is **6.3930, 6.7259, 7.3245**.

A 20% lighter version of the original color is **53.7463, 31.0135, 77.2822**, and **11.5585, 5.5670, 18.2346** is the 20% darker color. If you saturate the color by 10%, you get **26.5991, 12.8410, 40.6115**, and if you desaturate by 10%, it is **26.8951, 13.3087, 41.0938**.

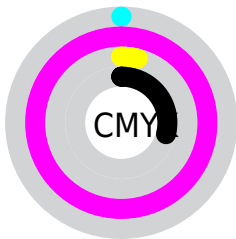
Distribution



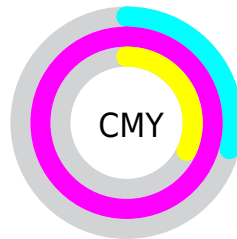
- Red (71%)
- Green (0%)
- Blue (68%)



- Red (71%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.5989, 12.8409, 40.6118 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 26.5989, 12.8409, 40.6118 by changing the saturation by 10% instead.

 26.5989, 12.8409,
40.6118


 26.5989, 12.8409,
40.6118


277.9129,
209.8955, 364.3240


 17.4072, 7.3191,
27.6985


 53.6640, 31.0177,
77.3415


 10.6224, 3.6624,
17.8614


 72.2682, 44.4414,
101.9949


 5.8789, 1.4866,
10.6821


 94.7405, 61.2679,
131.3988

 2.8116, 0.2793,
5.7420

 121.4464, 81.8815,
165.9717

 1.0549, 0.0000,
2.6226

 152.7513,
106.6667, 206.1321

 0.0000, 0.0000,
0.9041

 189.0204,

 0.0000, 0.0000,

136.0078, 252.2986

0.0000

230.6191,
170.2893, 304.8897

■ 26.5989, 12.8409,
40.6118

■ 26.5989, 12.8409,
40.6118

■ 26.5991, 12.8410,
40.6115

■ 26.8951, 13.3087,
41.0938

■ 27.3926, 14.1786,
41.6451

■ 28.1678, 15.6033,
42.2913

■ 29.2575, 17.6560,
43.0446

■ 30.6927, 20.3991,
43.9153

■ 32.5008, 23.8873,
44.9127

■ 34.7064, 28.1698,
46.0449

■ 37.3321, 33.2916,
47.3195

■ 40.3987, 39.2945,
48.7433

Harmonies

Analogous

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



19.6190, 12.8409, 73.6891



26.5989, 12.8409, 40.6118



29.5077, 12.8409, 13.9391

Triad

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



26.5989, 12.8409, 40.6118



12.1901, 12.8409, 0.0000



4.2565, 12.8409, 40.7619

Complementary

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



26.5989, 12.8409, 40.6118



16.5683, 33.0659, 5.7395

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.



3.4747, 12.8409, 14.0241



26.5989, 12.8409, 40.6118



6.9427, 12.8409, 0.0000

Square

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



26.5989, 12.8409, 40.6118



19.5838, 12.8409, 0.0000



4.2492, 12.8409, 2.6330



6.9604, 12.8409, 73.8179

Rectangle

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



26.5989, 12.8409, 40.6118



28.1587, 12.8409, 4.9304



4.2492, 12.8409, 2.6330



3.8144, 12.8409, 30.2595

Sweetspot

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



26.5994, 12.8415, 40.6120



61.9368, 50.0211, 82.3542



8.4166, 3.3758, 43.9246



13.0170, 10.0925, 17.6126



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



26.5994, 12.8415, 40.6120



47.6146, 22.9884, 72.6114



20.6756, 10.4720, 9.4178



8.8335, 8.6401, 10.6215



18.3436, 8.8550, 28.0329



0.5821, 0.2806, 0.9081

Inverse Universe

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



26.5994, 12.8415, 40.6120



47.6146, 22.9884, 72.6114



18.6608, 33.9029, 16.7586



8.8335, 8.6401, 10.6215



18.3436, 8.8550, 28.0329



0.5821, 0.2806, 0.9081

Previews

White Background



This preview shows how the XYZ color 26.5989, 12.8409, 40.6118 looks on a white background.

Color Contrast Check

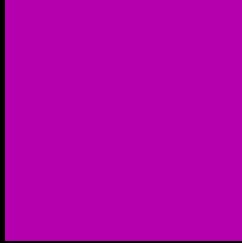
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5989, 12.8409, 40.6118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

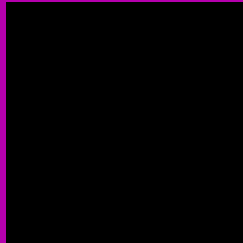
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.5989, 12.8409, 40.6118

Background



This preview shows how black text looks on a background with the XYZ color 26.5989, 12.8409, 40.6118.



This preview shows how white text looks on a background with the XYZ color 26.5989, 12.8409,

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

26.5989, 12.8409, 40.6118

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.9154, 13.6100, 36.5439



Tritanopia

20.0314, 13.2601, 7.6346

Trichromacy



Original Color

26.5989, 12.8409, 40.6118



Protanomaly

14.1023, 8.7445, 53.7679



Deuteranomaly

15.3537, 10.0014, 37.6805



Tritanomaly

21.3034, 11.9458, 15.6510

Monochromacy



Original Color

26.5989, 12.8409, 40.6118



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.6410, 6.6695, 15.4784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.5989, 12.8409, 40.6118 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(181, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 173)  
}
```

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(181, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 173) }
```

Border

The CSS property to change the border of an element to XYZ 26.5989, 12.8409, 40.6118 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(181, 0, 173) }
```


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

```
.border{ border-color:rgb(181, 0, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 26.5989, 12.8409, 40.6118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 173) }
```

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

```
.background{ background-color: rgb(181, 0,  
173) }
```

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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