

Converting Colors

XYZ(27.0460, 13.0211, 42.9053)

Have a look what the booklet for
XYZ(27.0460, 13.0211, 42.9053)
contains.

XYZ(26.9919, 12.9981, 42.6812)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(26.9919, 12.9981,
42.6812)**

Conversions

Conversions Part 1

Format	Color
Hex	B500B1
RGB	181, 0, 177
RGB Percent	71%, 0%, 69%
CMY	0.2902, 0.9999, 0.3059
CMYK	0.00, 1.00, 0.02, 0.29
HSL	301°, 100%, 35%
HSV	301°, 100%, 71%
XYZ	26.9919, 12.9981, 42.6812
YIQ	74.2970, 51.0590, 93.4190

Conversions

Conversions Part 2

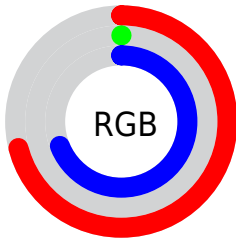
Format	Color
RYB	181, 0, 177
Decimal	11862193
CIELab	42.76, 75.37, -45.06
CIElCh	43, 87.816, 329.128
Yxy	12.9981, 0.3265, 0.1572
Android (android.graphics.Color)	4290052273 (0xFFB500B1)
YUV	74.2970, 50.6326, 93.5785
Hunter-Lab	36.0529, 70.5460, -44.9535

Details

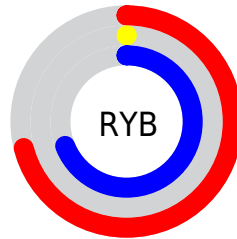
The XYZ color **26.9919, 12.9981, 42.6812** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **16.5464, 33.0572, 5.6241**, and the grayscale version is **6.4704, 6.8074, 7.4133**.

A 20% lighter version of the original color is **54.3918, 31.4004, 80.2849**, and **11.8065, 5.6662, 19.5402** is the 20% darker color. If you saturate the color by 10%, you get **26.9921, 12.9982, 42.6811**, and if you desaturate by 10%, it is **27.2504, 13.4508, 42.9645**.

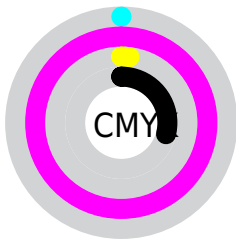
Distribution



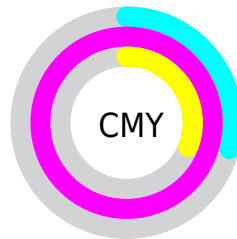
- Red (71%)
- Green (0%)
- Blue (69%)



- Red (71%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9919, 12.9981, 42.6812 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 26.9919, 12.9981, 42.6812 by changing the saturation by 10% instead.

 26.9919, 12.9981,
42.6812


 26.9919, 12.9981,
42.6812


279.7862,
210.9055, 373.1817


 17.7037, 7.4272,
29.3055


 54.2908, 31.3004,
80.5107

 10.8359, 3.7307,
19.0645


 73.0323, 44.8006,
105.8017


 6.0230, 1.5241,
11.5396


 95.6556, 61.7127,
135.9015

 2.8999, 0.3056,
6.3123

 122.5260, 82.4211,
171.2286

 1.1010, 0.0000,
2.9641

 154.0089,
107.3101, 212.2016

 0.0260, 0.0000,
1.0763

 190.4696,

 0.0000, 0.0000,

136.7643, 259.2392

0.0000

232.2736,
171.1680, 312.7597

■ 26.9919, 12.9981,
42.6812

■ 26.9919, 12.9981,
42.6812

■ 26.9921, 12.9982,
42.6811

■ 27.2504, 13.4508,
42.9645

■ 27.7098, 14.3055,
43.3153

■ 28.4466, 15.7147,
43.7592

■ 29.4975, 17.7519,
44.3083

■ 30.8935, 20.4794,
44.9730

■ 32.6621, 23.9517,
45.7625

■ 34.8279, 28.2182,
46.6850

■ 37.4134, 33.3240,
47.7480

■ 40.4395, 39.3107,
48.9584

Harmonies

Analogous

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



19.7244, 12.9981, 76.7863



26.9919, 12.9981, 42.6812



30.1723, 12.9981, 14.7202

Triad

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



26.9919, 12.9981, 42.6812



12.5509, 12.9981, 0.0000



4.1856, 12.9981, 40.6881

Complementary

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



26.9919, 12.9981, 42.6812



16.5464, 33.0572, 5.6241

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.



3.4451, 12.9981, 13.6000



26.9919, 12.9981, 42.6812



7.0955, 12.9981, 0.0000

Square

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



26.9919, 12.9981, 42.6812



20.1908, 12.9981, 0.0000



4.2814, 12.9981, 2.4225



6.8640, 12.9981, 75.0699

Rectangle

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



26.9919, 12.9981, 42.6812



28.9065, 12.9981, 5.1943



4.2814, 12.9981, 2.4225



3.7562, 12.9981, 29.9616

Sweetspot

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



26.9924, 12.9987, 42.6815



62.1582, 50.1096, 83.5198



8.3789, 3.3563, 43.9230



13.0712, 10.1142, 17.8983



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.



26.9924, 12.9987, 42.6815



48.3297, 23.2744, 76.3770



20.7972, 10.5206, 10.0578



8.8418, 8.6434, 10.6651



18.6111, 8.9620, 29.4419



0.5881, 0.2830, 0.9397

Inverse Universe

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



26.9924, 12.9987, 42.6815



48.3297, 23.2744, 76.3770



18.5236, 33.8481, 16.0359



8.8418, 8.6434, 10.6651



18.6111, 8.9620, 29.4419



0.5881, 0.2830, 0.9397

Previews

White Background



This preview shows how the XYZ color 26.9919, 12.9981, 42.6812 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

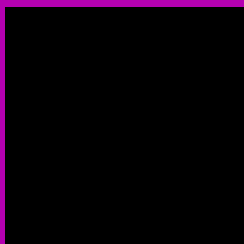
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.9919, 12.9981, 42.6812

Background



This preview shows how black text looks on a background with the XYZ color 26.9919, 12.9981, 42.6812.



This preview shows how white text looks on a background with the XYZ color 26.9919, 12.9981,

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

26.9919, 12.9981, 42.6812

Protanopia

16.3150, 13.8175, 63.4352

Deuteranopia

14.0800, 13.8121, 38.0003



Tritanopia

20.0038, 13.4208, 8.0147

Trichromacy



Original Color

26.9919, 12.9981, 42.6812



Protanomaly

14.3890, 8.9486, 55.0017



Deuteranomaly

15.3883, 9.9869, 39.1468



Tritanomaly

21.2632, 12.0231, 16.2389

Monochromacy



Original Color

26.9919, 12.9981, 42.6812



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.6958, 6.6914, 15.7668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9919, 12.9981, 42.6812 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 177) }
```

Border

The CSS property to change the border of an element to XYZ 26.9919, 12.9981, 42.6812 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, 177) }
```


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

```
.border{ border-color:rgb(181, 0, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 26.9919, 12.9981, 42.6812 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, 177) }
```

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

```
.background{ background-color: rgb(181, 0,  
177) }
```

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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