

Converting Colors

XYZ(26.7356, 12.8213, 49.7408)

Have a look what the booklet for
XYZ(26.7356, 12.8213, 49.7408)
contains.

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Color

**XYZ(26.8258, 12.8683,
49.7852)**

Conversions

Conversions Part 1

Format	Color
Hex	AE07BE
RGB	174, 7, 190
RGB Percent	68%, 3%, 75%
CMY	0.3176, 0.9725, 0.2549
CMYK	0.08, 0.96, 0.00, 0.25
HSL	295°, 93%, 39%
HSV	295°, 96%, 75%
XYZ	26.8258, 12.8683, 49.7852
YIQ	77.7950, 40.7890, 92.3170

Conversions

Conversions Part 2

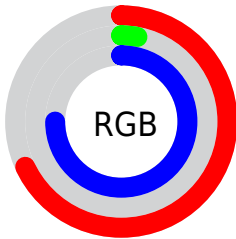
Format	Color
RYB	174, 7, 190
Decimal	11405246
CIELab	42.56, 75.54, -53.11
CIElCh	43, 92.343, 324.893
Yxy	12.8683, 0.2998, 0.1438
Android (android.graphics.Color)	4289595326 (0xFFAE07BE)
YUV	77.7950, 55.3171, 84.3718
Hunter-Lab	35.8724, 70.7076, -57.1744

Details

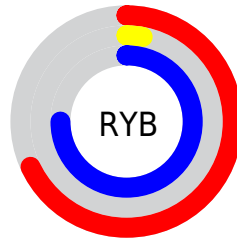
The XYZ color **26.8258, 12.8683, 49.7852** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.8056, 37.0248, 6.3568**, and the grayscale version is **7.0986, 7.4683, 8.1330**.

A 20% lighter version of the original color is **53.8825, 31.0185, 91.1429**, and **11.6464, 5.4906, 23.7385** is the 20% darker color. If you saturate the color by 10%, you get **26.6139, 12.6463, 49.7537**, and if you desaturate by 10%, it is **27.4924, 13.6480, 49.9008**.

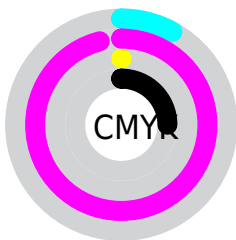
Distribution



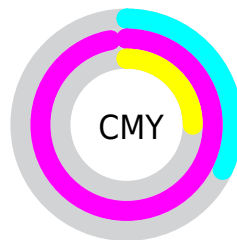
- Red (68%)
- Green (3%)
- Blue (75%)



- Red (68%)
- Yellow (3%)
- Blue (75%)



- Cyan (8%)
- Magenta (96%)
- Yellow (0%)
- Black (25%)




- Cyan (32%)
- Magenta (97%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8258, 12.8683, 49.7852 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 26.8258, 12.8683, 49.7852 by changing the saturation by 10% instead.


 26.8258, 12.8683,
49.7852


 26.8258, 12.8683,
49.7852


278.9956,
210.0719, 402.5363


 17.5783, 7.3379,
34.8728


 54.0261, 31.0670,
91.2496


 10.7455, 3.6743,
23.2821


 72.7096, 44.5041,
118.6386


 5.9620, 1.4931,
14.5947

 95.2692, 61.3455,
151.0235

 2.8624, 0.2839,
8.3920

 122.0702, 81.9757,
188.8230

 1.0814, 0.0000,
4.2554

 153.4780,
106.7790, 232.4554

 0.0095, 0.0000,
1.7665

 189.8579,

 0.0000, 0.0000,

136.1399, 282.3394

0.4057

231.5754,
170.4427, 338.8936

■ 0.0000, 0.0000,
0.0000

■ 26.8258, 12.8683,
49.7852

■ 26.8258, 12.8683,
49.7852

■ 26.6139, 12.6463,
49.7537

■ 27.4924, 13.6480,
49.9008

■ 28.4386, 14.9809,
50.1081

■ 29.7156, 16.9682,
50.4244

■ 31.3620, 19.6876,
50.8626

■ 33.4113, 23.2061,
51.4337

■ 35.8933, 27.5827,
52.1476

■ 38.8346, 32.8712,
53.0134

■ 42.2600, 39.1209,
54.0392

■ 46.1923, 46.3774,
55.2326

Harmonies

Analogous

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



18.7956, 12.8683, 85.8074



26.8258, 12.8683, 49.7852



31.0633, 12.8683, 17.7192

Triad

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



26.8258, 12.8683, 49.7852



13.4650, 12.8683, 0.0000



3.6486, 12.8683, 37.2209

Complementary

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



26.8258, 12.8683, 49.7852



18.8056, 37.0248, 6.3568

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.



3.1412, 12.8683, 10.8607



26.8258, 12.8683, 49.7852



7.4063, 12.8683, 0.0000

Square

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



26.8258, 12.8683, 49.7852



21.6882, 12.8683, 0.0000



4.2084, 12.8683, 1.4927



6.0216, 12.8683, 74.8560

Rectangle

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



26.8258, 12.8683, 49.7852



30.3289, 12.8683, 6.2716



4.2084, 12.8683, 1.4927



3.3046, 12.8683, 26.3960

Sweetspot

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



26.8264, 12.8689, 49.7855



68.5956, 56.3529, 95.5409



9.7365, 4.4717, 49.0654



14.5600, 11.4707, 20.8320



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.



26.8264, 12.8689, 49.7855



48.1200, 22.8611, 90.1556



24.5110, 12.3793, 17.8675



9.8455, 9.6527, 12.0165



17.7302, 8.4263, 33.0849



0.7189, 0.3426, 1.2971

Inverse Universe

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



21.4662, 11.1614, 1.8343



38.6226, 19.8943, 2.5447



19.9571, 37.4546, 13.8076



9.5631, 9.5496, 10.0885



14.1983, 7.3105, 1.0719



0.5678, 0.2910, 0.1031

Previews

White Background



This preview shows how the XYZ color 26.8258, 12.8683, 49.7852 looks on a white background.

Color Contrast Check

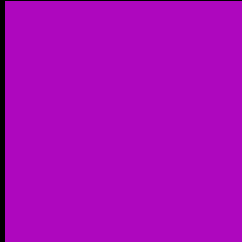
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8258, 12.8683, 49.7852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

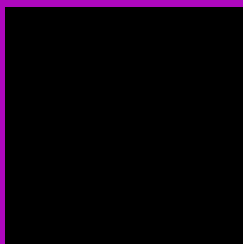
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.8258, 12.8683, 49.7852

Background



This preview shows how black text looks on a background with the XYZ color 26.8258, 12.8683, 49.7852.



This preview shows how white text looks on a background with the XYZ color 26.8258, 12.8683,

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

26.8258, 12.8683, 49.7852

Protanopia

15.8470, 13.4777, 61.4407

Deuteranopia

13.8863, 13.5674, 44.5347



Tritanopia

18.6620, 13.1884, 9.1514

Trichromacy



Original Color

26.8258, 12.8683, 49.7852



Protanomaly

14.5407, 9.1702, 56.2620



Deuteranomaly

14.6058, 9.7014, 45.9025



Tritanomaly

20.2567, 11.7443, 18.9685

Monochromacy



Original Color

26.8258, 12.8683, 49.7852



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.3678, 7.2986, 18.2624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8258, 12.8683, 49.7852 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(174, 7, 190)` looks like.

```
.text, #text, p{  
    color:rgb(174, 7, 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(174, 7, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 7, 190) }
```

Border

The CSS property to change the border of an element to XYZ 26.8258, 12.8683, 49.7852 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(174, 7, 190) }
```


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

```
.border{ border-color:rgb(174, 7, 190) }
```

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

Here you see how a box with a 4 pixel rgb(174, 7, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 7, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 7, 190);  
box-shadow:4px 4px 4px 4px rgb(174, 7,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 26.8258, 12.8683, 49.7852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 7, 190) }
```

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

```
.background{ background-color: rgb(174, 7,  
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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