

Converting Colors

XYZ(26.7674, 12.7753, 47.5094)

Have a look what the booklet for
XYZ(26.7674, 12.7753, 47.5094)
contains.

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Color

**XYZ(26.7674, 12.7753,
47.5094)**

Conversions

Conversions Part 1

Format	Color
Hex	B000BA
RGB	176, 0, 186
RGB Percent	69%, 0%, 73%
CMY	0.3098, 0.9999, 0.2706
CMYK	0.05, 1.00, 0.00, 0.27
HSL	297°, 100%, 36%
HSV	297°, 100%, 73%
XYZ	26.7674, 12.7753, 47.5094
YIQ	73.8280, 45.1900, 95.1580

Conversions

Conversions Part 2

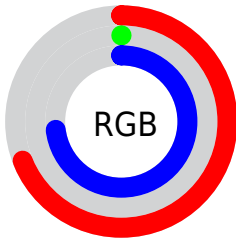
Format	Color
RYB	176, 0, 186
Decimal	11534522
CIELab	42.42, 75.92, -50.97
CIELCh	42, 91.437, 326.125
Yxy	12.7753, 0.3075, 0.1468
Android (android.graphics.Color)	4289724602 (0xFFB000BA)
YUV	73.8280, 55.3008, 89.6048
Hunter-Lab	35.7426, 71.1282, -53.7891

Details

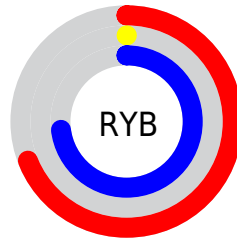
The XYZ color **26.7674, 12.7753, 47.5094** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **17.6845, 35.1826, 5.8594**, and the grayscale version is **6.3805, 6.7127, 7.3102**.

A 20% lighter version of the original color is **54.0975, 30.9595, 87.9185**, and **11.6361, 5.5175, 22.2815** is the 20% darker color. If you saturate the color by 10%, you get **26.7675, 12.7753, 47.5096**, and if you desaturate by 10%, it is **27.2212, 13.3454, 47.5957**.

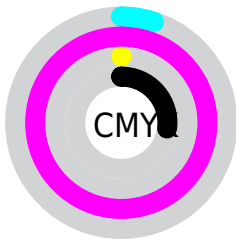
Distribution



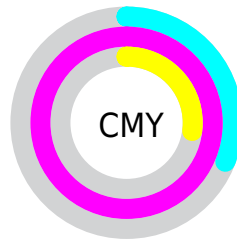
- Red (69%)
- Green (0%)
- Blue (73%)



- Red (69%)
- Yellow (0%)
- Blue (73%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)





- Cyan (31%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.7674, 12.7753, 47.5094 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 26.7674, 12.7753, 47.5094 by changing the saturation by 10% instead.


 26.7674, 12.7753,
47.5094


 26.7674, 12.7753,
47.5094

278.7173,
209.4725, 393.2967


 17.5343, 7.2740,
33.0813


 53.9329, 30.8995,
87.8314


 10.7138, 3.6340,
21.9171


 72.5960, 44.2912,
114.5624


 5.9406, 1.4710,
13.5983

 95.1332, 61.0818,
146.2315

 2.8493, 0.2682,
7.7062

 121.9098, 81.6558,
183.2572

 1.0746, 0.0000,
3.8225

 153.2911,
106.3974, 226.0580

 0.0037, 0.0000,
1.5285

 189.6426,

 0.0000, 0.0000,

135.6911, 275.0525

0.2390

231.3295,
169.9214, 330.6592

■ 0.0000, 0.0000,
0.0000

■ 26.7674, 12.7753,
47.5094

■ 26.7674, 12.7753,
47.5094

■ 26.7675, 12.7753,
47.5096

■ 27.2212, 13.3454,
47.5957

■ 27.8918, 14.3472,
47.7537

■ 28.8591, 15.9400,
48.0102

■ 30.1626, 18.2025,
48.3782

■ 31.8354, 21.2014,
48.8689

■ 33.9070, 24.9952,
49.4920

■ 36.4037, 29.6366,
50.2562

■ 39.3495, 35.1738,
51.1698

■ 42.7667, 41.6514,
52.2400

Harmonies

Analogous

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



18.9474, 12.7753, 83.1706



26.7674, 12.7753, 47.5094



30.6972, 12.7753, 16.6307

Triad

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



26.7674, 12.7753, 47.5094



13.0586, 12.7753, 0.0000



3.7177, 12.7753, 38.1452

Complementary

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



26.7674, 12.7753, 47.5094



17.6845, 35.1826, 5.8594

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.



3.1494, 12.7753, 11.5037



26.7674, 12.7753, 47.5094



7.2000, 12.7753, 0.0000

Square

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



26.7674, 12.7753, 47.5094



21.1078, 12.7753, 0.0000



4.1388, 12.7753, 1.6772



6.1615, 12.7753, 75.0184

Rectangle

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



26.7674, 12.7753, 47.5094



29.7966, 12.7753, 5.8190



4.1388, 12.7753, 1.6772



3.3529, 12.7753, 27.3058

Sweetspot

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



26.7680, 12.7759, 47.5097



65.7349, 53.2527, 91.0156



8.9998, 3.8185, 46.7172



14.0360, 10.9070, 19.9080



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.



26.7680, 12.7759, 47.5097



48.4498, 23.1210, 86.1106



22.8209, 11.4679, 14.4858



9.3320, 9.1375, 11.3513



18.0289, 8.6054, 31.9639



0.6502, 0.3109, 1.1275

Inverse Universe

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



20.3049, 10.4615, 1.2368



36.7766, 18.9506, 2.1011



19.0299, 35.7063, 13.5975



9.0237, 9.0198, 9.4720



13.6692, 7.0414, 0.8788



0.4885, 0.2509, 0.0660

Previews

White Background



This preview shows how the XYZ color 26.7674, 12.7753, 47.5094 looks on a white background.

Color Contrast Check

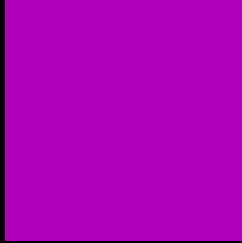
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7674, 12.7753, 47.5094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

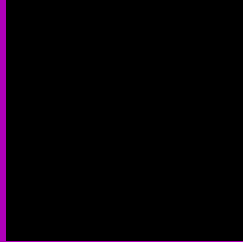
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.7674, 12.7753, 47.5094

Background



This preview shows how black text looks on a background with the XYZ color 26.7674, 12.7753, 47.5094.



This preview shows how white text looks on a background with the XYZ color 26.7674, 12.7753,

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

26.7674, 12.7753, 47.5094

Protanopia

15.9705, 13.5271, 62.0909

Deuteranopia

13.8070, 13.4240, 42.4208



Tritanopia

18.8619, 13.1017, 8.7425

Trichromacy



Original Color

26.7674, 12.7753, 47.5094



Protanomaly

14.4345, 8.8620, 56.2081



Deuteranomaly

14.8042, 9.5840, 43.7175



Tritanomaly

20.3363, 11.5632, 17.9897

Monochromacy



Original Color

26.7674, 12.7753, 47.5094



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.6666, 6.6503, 16.9411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7674, 12.7753, 47.5094 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(176, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 186)  
}
```

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(176, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 26.7674, 12.7753, 47.5094 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(176, 0, 186) }
```


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

```
.border{ border-color:rgb(176, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(176, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 26.7674, 12.7753, 47.5094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 186) }
```

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

```
.background{ background-color: rgb(176, 0,  
186) }
```

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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