

Converting Colors

XYZ(26.0379, 12.3657, 48.9880)

Have a look what the booklet for
XYZ(26.0379, 12.3657, 48.9880)
contains.

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Color

**XYZ(25.9799, 12.3321,
49.1551)**

Conversions

Conversions Part 1

Format	Color
Hex	AB00BD
RGB	171, 0, 189
RGB Percent	67%, 0%, 74%
CMY	0.3294, 0.9999, 0.2588
CMYK	0.10, 1.00, 0.00, 0.26
HSL	294°, 100%, 37%
HSV	294°, 100%, 74%
XYZ	25.9799, 12.3321, 49.1551
YIQ	72.6750, 41.2470, 95.0310

Conversions

Conversions Part 2

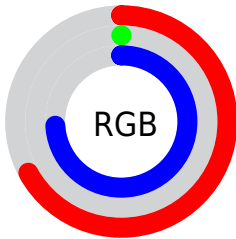
Format	Color
R_{YB}	171, 0, 189
Decimal	11206845
CIE Lab	41.74, 75.62, -53.88
CIE LCh	42, 92.846, 324.530
Yxy	12.3321, 0.2970, 0.1410
Android (android.graphics.Color)	4289396925 (0xFFAB00BD)
YUV	72.6750, 57.3482, 86.2310
Hunter-Lab	35.1171, 70.6008, -58.4091

Details

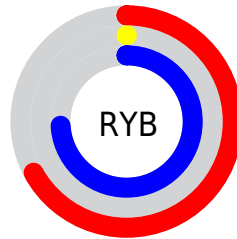
The XYZ color **25.9799, 12.3321, 49.1551** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.4475, 36.5241, 6.0781**, and the grayscale version is **6.1770, 6.4987, 7.0771**.

A 20% lighter version of the original color is **52.5162, 29.9738, 90.2064**, and **11.1832, 5.2600, 23.3475** is the 20% darker color. If you saturate the color by 10%, you get **25.9799, 12.3320, 49.1553**, and if you desaturate by 10%, it is **26.6066, 12.9988, 49.2509**.

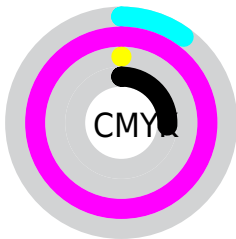
Distribution



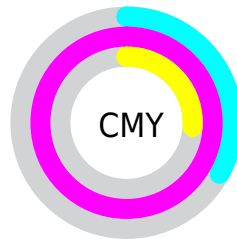
- Red (67%)
- Green (0%)
- Blue (74%)



- Red (67%)
- Yellow (0%)
- Blue (74%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)





- Cyan (33%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.9799, 12.3321, 49.1551 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 25.9799, 12.3321, 49.1551 by changing the saturation by 10% instead.


 25.9799, 12.3321,
49.1551

 25.9799, 12.3321,
49.1551


274.9419,
206.5916, 399.9926


 16.9412, 6.9703,
34.3761


 52.6740, 30.0985,
90.3051


 10.2876, 3.4435,
22.9030


 71.0602, 43.2719,
117.5132

 5.6538, 1.3674,
14.3172


 93.2929, 59.8180,
149.7014

 2.6744, 0.1925,
8.2004

 119.7375, 80.1210,
187.2882

 0.9840, 0.0000,
4.1338

 150.7594,
104.5656, 230.6922

 0.0000, 0.0000,
1.6990

 186.7238,

 0.0000, 0.0000,

133.5359, 280.3319

0.3601

227.9962,
167.4165, 336.6258

■ 0.0000, 0.0000,
0.0000

■ 25.9799, 12.3321,
49.1551

■ 25.9799, 12.3321,
49.1551

■ 25.9799, 12.3320,
49.1553

■ 26.6066, 12.9988,
49.2509

■ 27.4626, 14.1167,
49.4216

■ 28.6301, 15.8496,
49.6946

■ 30.1500, 18.2795,
50.0835

■ 32.0571, 21.4756,
50.5999

■ 34.3819, 25.4990,
51.2539

■ 37.1518, 30.4045,
52.0548

■ 40.3919, 36.2422,
53.0108

■ 44.1253, 43.0584,
54.1297

Harmonies

Analogous

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



18.0548, 12.3321, 84.8080



25.9799, 12.3321, 49.1551



30.2296, 12.3321, 17.3365

Triad

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



25.9799, 12.3321, 49.1551



13.0167, 12.3321, 0.0000



3.3792, 12.3321, 35.8448

Complementary

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



25.9799, 12.3321, 49.1551



18.4475, 36.5241, 6.0781

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.



2.9119, 12.3321, 10.1553



25.9799, 12.3321, 49.1551



7.0749, 12.3321, 0.0000

Square

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



25.9799, 12.3321, 49.1551



21.1002, 12.3321, 0.0000



3.9548, 12.3321, 1.2968



5.6381, 12.3321, 73.1508

Rectangle

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



25.9799, 12.3321, 49.1551



29.5579, 12.3321, 6.0352



3.9548, 12.3321, 1.2968



3.0564, 12.3321, 25.2311

Sweetspot

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



25.9805, 12.3326, 49.1554



66.2765, 53.9859, 93.1534



9.4170, 4.1372, 48.4465



13.7849, 10.7775, 19.8963



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.



25.9805, 12.3326, 49.1554



46.4176, 22.0288, 88.0317



23.9902, 12.0207, 16.7992



9.8380, 9.6489, 12.0161



17.5152, 8.3155, 33.0748



0.7124, 0.3393, 1.2968

Inverse Universe

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



21.0958, 10.8630, 1.5579



37.7443, 19.4397, 2.5901



19.4889, 36.9118, 12.8644



9.5661, 9.5507, 10.1041



14.2069, 7.3139, 1.1170



0.5691, 0.2915, 0.1100

Previews

White Background



This preview shows how the XYZ color 25.9799, 12.3321, 49.1551 looks on a white background.

Color Contrast Check

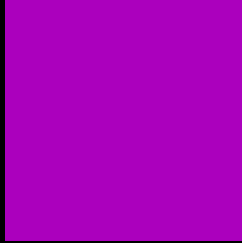
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9799, 12.3321, 49.1551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

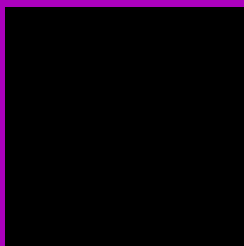
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.9799, 12.3321, 49.1551

Background



This preview shows how black text looks on a background with the XYZ color 25.9799, 12.3321, 49.1551.



This preview shows how white text looks on a background with the XYZ color 25.9799, 12.3321,

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

25.9799, 12.3321, 49.1551

Protanopia

15.2941, 12.9572, 59.4525

Deuteranopia

13.4145, 13.0404, 43.9295



Tritanopia

17.9606, 12.7312, 8.9079

Trichromacy



Original Color

25.9799, 12.3321, 49.1551



Protanomaly

14.0180, 8.5929, 54.9526



Deuteranomaly

13.9011, 8.9970, 45.2599



Tritanomaly

19.4505, 11.1515, 18.5801

Monochromacy



Original Color

25.9799, 12.3321, 49.1551



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

10.3782, 6.4430, 16.9163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9799, 12.3321, 49.1551 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(171, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 189)  
}
```

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(171, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 25.9799, 12.3321, 49.1551 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(171, 0, 189) }
```


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

```
.border{ border-color:rgb(171, 0, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9799, 12.3321, 49.1551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 189) }
```

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

```
.background{ background-color: rgb(171, 0,  
189) }
```

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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