

Converting Colors

XYZ(25.9800, 12.0809, 45.7867)

Have a look what the booklet for
XYZ(25.9800, 12.0809, 45.7867)
contains.

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Color

**XYZ(26.2264, 12.5329,
45.8365)**

Conversions

Conversions Part 1

Format	Color
Hex	AF00B7
RGB	175, 0, 183
RGB Percent	69%, 0%, 72%
CMY	0.3137, 0.9999, 0.2824
CMYK	0.04, 1.00, 0.00, 0.28
HSL	297°, 100%, 36%
HSV	297°, 100%, 72%
XYZ	26.2264, 12.5329, 45.8365
YIQ	73.1870, 45.5570, 94.0130

Conversions

Conversions Part 2

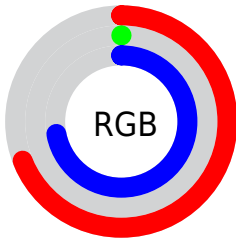
Format	Color
R_{YB}	175, 0, 183
Decimal	11468983
CIE _{Lab}	42.05, 75.30, -49.81
CIE _{LCh}	42, 90.277, 326.517
Yxy	12.5329, 0.3100, 0.1482
Android (android.graphics.Color)	4289659063 (0xFFAF00B7)
YUV	73.1870, 54.1378, 89.2900
Hunter-Lab	35.4018, 70.2832, -51.9844

Details

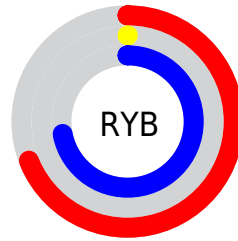
The XYZ color **26.2264, 12.5329, 45.8365** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.0341, 33.9189, 5.6498**, and the grayscale version is **6.2707, 6.5973, 7.1844**.

A 20% lighter version of the original color is **52.9876, 30.4393, 85.5207**, and **11.2986, 5.3669, 21.2093** is the 20% darker color. If you saturate the color by 10%, you get **26.2265, 12.5329, 45.8367**, and if you desaturate by 10%, it is **26.6284, 13.0690, 45.9190**.

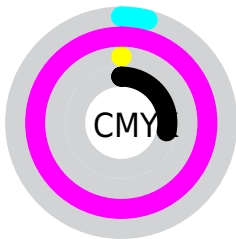
Distribution



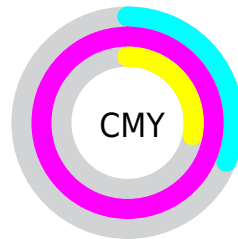
- Red (69%)
- Green (0%)
- Blue (72%)



- Red (69%)
- Yellow (0%)
- Blue (72%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)





- Cyan (31%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.2264, 12.5329, 45.8365 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 26.2264, 12.5329, 45.8365 by changing the saturation by 10% instead.

 26.2264, 12.5329,
45.8365


 26.2264, 12.5329,
45.8365


276.1281,
207.9020, 386.4094


 17.1267, 7.1077,
31.7691


 53.0687, 30.4620,
85.3060


 10.4207, 3.5295,
20.9218


 71.5419, 43.7347,
111.5451


 5.7432, 1.4140,
12.8762


 93.8703, 60.3921,
142.6785

 2.7287, 0.2270,
7.2136

 120.4193, 80.8184,
179.1248

 1.0120, 0.0000,
3.5156

 151.5542,
105.3982, 221.3025

 0.0000, 0.0000,
1.3635

 187.6404,

 0.0000, 0.0000,

134.5158, 269.6302

0.1130

229.0433,
168.5556, 324.5263

■ 0.0000, 0.0000,
0.0000

■ 26.2264, 12.5329,
45.8365

■ 26.2264, 12.5329,
45.8365

■ 26.2265, 12.5329,
45.8367

■ 26.6284, 13.0690,
45.9190

■ 27.2379, 14.0190,
46.0702

■ 28.1327, 15.5382,
46.3163

■ 29.3507, 17.7020,
46.6697

■ 30.9238, 20.5745,
47.1413

■ 32.8802, 24.2119,
47.7403

■ 35.2450, 28.6648,
48.4751

■ 38.0416, 33.9794,
49.3535

■ 41.2913, 40.1987,
50.3827

Harmonies

Analogous

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



18.6455, 12.5329, 80.5291



26.2264, 12.5329, 45.8365



29.9727, 12.5329, 16.0148

Triad

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



26.2264, 12.5329, 45.8365



12.7128, 12.5329, 0.0000



3.6989, 12.5329, 37.6620

Complementary

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



26.2264, 12.5329, 45.8365



17.0341, 33.9189, 5.6498

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.



3.1209, 12.5329, 11.5234



26.2264, 12.5329, 45.8365



7.0332, 12.5329, 0.0000

Square

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



26.2264, 12.5329, 45.8365



20.5351, 12.5329, 0.0000



4.0698, 12.5329, 1.7303



6.1209, 12.5329, 73.4229

Rectangle

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



26.2264, 12.5329, 45.8365



29.0423, 12.5329, 5.6102



4.0698, 12.5329, 1.7303



3.3336, 12.5329, 27.0661

Sweetspot

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



26.2269, 12.5335, 45.8368



62.8899, 50.8966, 86.7451



8.6471, 3.6181, 45.0425



13.4806, 10.4679, 19.0316



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



26.2269, 12.5335, 45.8368



46.9180, 22.4188, 82.0901



21.8611, 11.0007, 13.1959



9.3411, 9.1422, 11.3517



18.3115, 8.7511, 31.9771



0.6575, 0.3147, 1.1278

Inverse Universe

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



19.5727, 10.0854, 1.1454



35.0320, 18.0531, 1.9359



18.4706, 34.4819, 13.7373



9.0201, 9.0184, 9.4532



13.6606, 7.0380, 0.8337



0.4870, 0.2503, 0.0579

Previews

White Background



This preview shows how the XYZ color 26.2264, 12.5329, 45.8365 looks on a white background.

Color Contrast Check

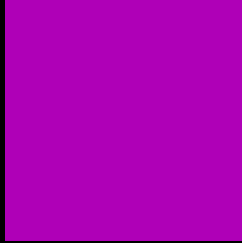
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.2264, 12.5329, 45.8365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

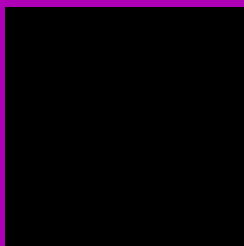
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.2264, 12.5329, 45.8365

Background



This preview shows how black text looks on a background with the XYZ color 26.2264, 12.5329, 45.8365.



This preview shows how white text looks on a background with the XYZ color 26.2264, 12.5329,

45.8365.

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

26.2264, 12.5329, 45.8365

Protanopia

15.6302, 13.2404, 60.7633

Deuteranopia

13.5630, 13.1851, 40.8599



Tritanopia

18.7612, 12.9571, 8.5333

Trichromacy



Original Color

26.2264, 12.5329, 45.8365



Protanomaly

14.0300, 8.6125, 54.3490



Deuteranomaly

14.5506, 9.4020, 42.1222



Tritanomaly

20.0657, 11.4304, 17.6717

Monochromacy



Original Color

26.2264, 12.5329, 45.8365



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

10.3880, 6.4612, 16.3224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.2264, 12.5329, 45.8365 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(175, 0, 183)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 183)  
}
```

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(175, 0, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 183) }
```

Border

The CSS property to change the border of an element to XYZ 26.2264, 12.5329, 45.8365 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(175, 0, 183) }
```


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

```
.border{ border-color:rgb(175, 0, 183) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 183);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 26.2264, 12.5329, 45.8365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 183) }
```

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

```
.background{ background-color: rgb(175, 0,  
183) }
```

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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