

Converting Colors

XYZ(25.6080, 12.2373, 44.7553)

Have a look what the booklet for
XYZ(25.6080, 12.2373, 44.7553)
contains.

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Color

**XYZ(25.5741, 12.2204,
44.7269)**

Conversions

Conversions Part 1

Format	Color
Hex	AD00B5
RGB	173, 0, 181
RGB Percent	68%, 0%, 71%
CMY	0.3216, 0.9999, 0.2902
CMYK	0.04, 1.00, 0.00, 0.29
HSL	297°, 100%, 35%
HSV	297°, 100%, 71%
XYZ	25.5741, 12.2204, 44.7269
YIQ	72.3610, 45.0070, 92.9670

Conversions

Conversions Part 2

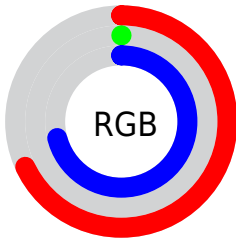
Format	Color
RYB	173, 0, 181
Decimal	11337909
CIELab	41.56, 74.67, -49.42
CIELCh	42, 89.546, 326.500
Yxy	12.2204, 0.3099, 0.1481
Android (android.graphics.Color)	4289527989 (0xFFAD00B5)
YUV	72.3610, 53.5590, 88.2604
Hunter-Lab	34.9577, 69.4098, -51.3887

Details

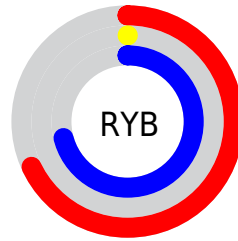
The XYZ color **25.5741, 12.2204, 44.7269** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **16.6243, 33.0996, 5.5131**, and the grayscale version is **6.1285, 6.4477, 7.0215**.

A 20% lighter version of the original color is **51.9598, 29.8259, 83.9073**, and **11.0332, 5.2453, 20.5096** is the 20% darker color. If you saturate the color by 10%, you get **25.5743, 12.2206, 44.7271**, and if you desaturate by 10%, it is **25.9701, 12.7484, 44.8081**.

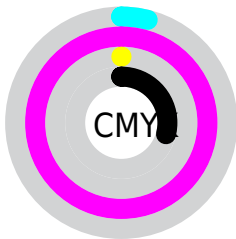
Distribution



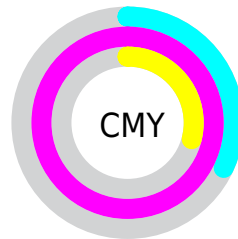
- Red (68%)
- Green (0%)
- Blue (71%)



- Red (68%)
- Yellow (0%)
- Blue (71%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (29%)





- Cyan (32%)
- Magenta (100%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5741, 12.2204, 44.7269 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 25.5741, 12.2204, 44.7269 by changing the saturation by 10% instead.


 25.5741, 12.2204,
44.7269

 25.5741, 12.2204,
44.7269

272.9803,
205.8590, 381.7942


 16.6363, 6.8940,
30.9010


 52.0233, 29.8959,
83.6245


 10.0692, 3.3959,
20.2656


 70.2654, 43.0137,
109.5334

 5.5075, 1.3417,
12.4023


 92.3396, 59.4975,
140.3069

 2.5858, 0.1732,
6.8924

 118.6113, 79.7316,
176.3637

 0.9387, 0.0000,
3.3175

 149.4459,
104.1004, 218.1223

 0.0000, 0.0000,
1.2589

 185.2087,

 0.0000, 0.0000,

132.9883, 266.0012

0.0278

226.2650,
166.7797, 320.4190

■ 0.0000, 0.0000,
0.0000

■ 25.5741, 12.2204,
44.7269

■ 25.5741, 12.2204,
44.7269

■ 25.5743, 12.2206,
44.7271

■ 25.9701, 12.7484,
44.8081

■ 26.5678, 13.6789,
44.9562

■ 27.4438, 15.1644,
45.1968

■ 28.6349, 17.2784,
45.5420

■ 30.1720, 20.0830,
46.0024

■ 32.0827, 23.6330,
46.5869

■ 34.3915, 27.9777,
47.3038

■ 37.1209, 33.1621,
48.1606

■ 40.2918, 39.2278,
49.1643

Harmonies

Analogous

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



18.1783, 12.2204, 78.5677



25.5741, 12.2204, 44.7269



29.2317, 12.2204, 15.6283

Triad

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



25.5741, 12.2204, 44.7269



12.4000, 12.2204, 0.0000



3.6044, 12.2204, 36.7130

Complementary

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



25.5741, 12.2204, 44.7269



16.6243, 33.0996, 5.5131

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.



3.0417, 12.2204, 11.2259



25.5741, 12.2204, 44.7269



6.8591, 12.2204, 0.0000

Square

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



25.5741, 12.2204, 44.7269



20.0305, 12.2204, 0.0000



3.9679, 12.2204, 1.6834



5.9649, 12.2204, 71.6006

Rectangle

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



25.5741, 12.2204, 44.7269



28.3265, 12.2204, 5.4744



3.9679, 12.2204, 1.6834



3.2485, 12.2204, 26.3795

Sweetspot

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



25.5746, 12.2210, 44.7271



61.3658, 49.6753, 84.6486



8.4391, 3.5331, 43.9534



12.8769, 10.0077, 18.1752



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.



25.5746, 12.2210, 44.7271



45.7501, 21.8594, 80.1026



21.3351, 10.7356, 12.8921



8.8122, 8.6272, 10.7071



17.6462, 8.4328, 30.8346



0.5665, 0.2712, 0.9707

Inverse Universe

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



19.1002, 9.8417, 1.1231



34.1858, 17.6169, 1.8964



18.0266, 33.6489, 13.4198



8.5111, 8.5111, 8.9238



13.1739, 6.7871, 0.8099



0.4195, 0.2156, 0.0519

Previews

White Background



This preview shows how the XYZ color 25.5741, 12.2204, 44.7269 looks on a white background.

Color Contrast Check

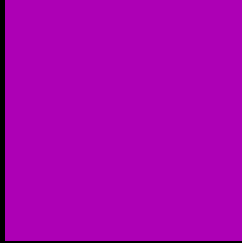
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5741, 12.2204, 44.7269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

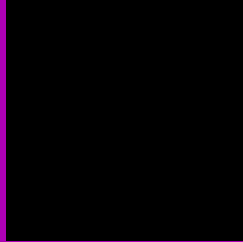
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.5741, 12.2204, 44.7269

Background



This preview shows how black text looks on a background with the XYZ color 25.5741, 12.2204, 44.7269.



This preview shows how white text looks on a background with the XYZ color 25.5741, 12.2204,

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

25.5741, 12.2204, 44.7269

Protanopia

15.2941, 12.9572, 59.4525

Deuteranopia

13.2248, 12.8878, 39.8208



Tritanopia

18.2557, 12.6053, 8.3084

Trichromacy



Original Color

25.5741, 12.2204, 44.7269



Protanomaly

13.7363, 8.4875, 53.1388



Deuteranomaly

14.1927, 9.1557, 41.0636



Tritanomaly

19.4927, 11.0910, 17.0330

Monochromacy



Original Color

25.5741, 12.2204, 44.7269



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.2083, 6.3751, 16.0217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5741, 12.2204, 44.7269 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(173, 0, 181)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 181)  
}
```

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(173, 0, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 181) }
```

Border

The CSS property to change the border of an element to XYZ 25.5741, 12.2204, 44.7269 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(173, 0, 181) }
```


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

```
.border{ border-color:rgb(173, 0, 181) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5741, 12.2204, 44.7269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 181) }
```

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

```
.background{ background-color: rgb(173, 0,  
181) }
```

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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