

Converting Colors

XYZ(24.9459, 12.1811, 31.8462)

Have a look what the booklet for
XYZ(24.9459, 12.1811, 31.8462)
contains.

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Color

**XYZ(24.9725, 12.1903,
32.0471)**

Conversions

Conversions Part 1

Format	Color
Hex	B5009B
RGB	181, 0, 155
RGB Percent	71%, 0%, 61%
CMY	0.2902, 0.9999, 0.3922
CMYK	0.00, 1.00, 0.14, 0.29
HSL	309°, 100%, 35%
HSV	309°, 100%, 71%
XYZ	24.9725, 12.1903, 32.0471
YIQ	71.7890, 58.1210, 86.5770

Conversions

Conversions Part 2

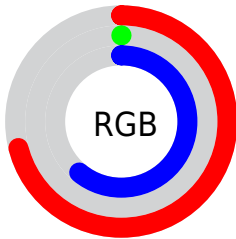
Format	Color
RYB	181, 0, 155
Decimal	11862171
CIELab	41.52, 72.32, -33.87
CIELCh	42, 79.862, 334.906
Yxy	12.1903, 0.3608, 0.1761
Android (android.graphics.Color)	4290052251 (0xFFB5009B)
YUV	71.7890, 41.0230, 95.7780
Hunter-Lab	34.9146, 66.5707, -29.9803

Details

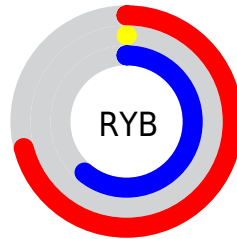
The XYZ color **24.9725, 12.1903, 32.0471** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **16.7111, 33.1230, 6.4912**, and the grayscale version is **6.0507, 6.3658, 6.9324**.

A 20% lighter version of the original color is **51.1570, 29.8509, 64.0383**, and **10.6166, 5.1902, 13.2742** is the 20% darker color. If you saturate the color by 10%, you get **24.9724, 12.1903, 32.0459**, and if you desaturate by 10%, it is **25.4118, 12.7153, 33.2828**.

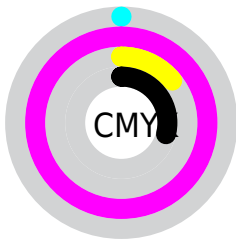
Distribution



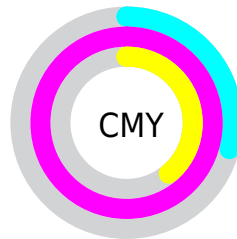
- Red (71%)
- Green (0%)
- Blue (61%)



- Red (71%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9725, 12.1903, 32.0471 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 24.9725, 12.1903, 32.0471 by changing the saturation by 10% instead.


 24.9725, 12.1903,
32.0471


 24.9725, 12.1903,
32.0471


270.0511,
205.6611, 325.8331


 16.1852, 6.8734,
21.1324


 51.0558, 29.8412,
63.9837

 9.7470, 3.3831,
13.0286


 69.0825, 42.9441,
85.8426


 5.2925, 1.3348,
7.3173


 90.9198, 59.4110,
112.1867

 2.4564, 0.1679,
3.5799

 116.9329, 79.6264,
143.4344

 0.8733, 0.0000,
1.3978

 147.4872,
103.9748, 180.0044

 0.0000, 0.0000,
0.1400

 182.9481,

 0.0000, 0.0000,

132.8404, 222.3152

0.0000

223.6810,
166.6077, 270.7852

■ 24.9725, 12.1903,
32.0471

■ 24.9725, 12.1903,
32.0471

■ 24.9724, 12.1903,
32.0459

■ 25.4118, 12.7153,
33.2828

■ 26.0567, 13.6442,
34.6102

■ 26.9836, 15.1295,
36.0552

■ 28.2292, 17.2447,
37.6301

■ 29.8248, 20.0519,
39.3453

■ 31.7976, 23.6059,
41.2103

■ 34.1724, 27.9561,
43.2332

■ 36.9716, 33.1473,
45.4218

■ 40.2163, 39.2214,
47.7832

Harmonies

Analogous

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



19.2474, 12.1903, 60.7637



24.9725, 12.1903, 32.0471



26.7061, 12.1903, 10.7153

Triad

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



24.9725, 12.1903, 32.0471



10.6551, 12.1903, 0.0000



4.6161, 12.1903, 41.3783

Complementary

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



24.9725, 12.1903, 32.0471



16.7111, 33.1230, 6.4912

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.



3.6279, 12.1903, 16.2087



24.9725, 12.1903, 32.0471



6.2877, 12.1903, 0.4256

Square

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



24.9725, 12.1903, 32.0471



17.0136, 12.1903, 0.0000



4.1168, 12.1903, 3.7893



7.4570, 12.1903, 68.6425

Rectangle

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



24.9725, 12.1903, 32.0471



24.9985, 12.1903, 3.8308



4.1168, 12.1903, 3.7893



4.1090, 12.1903, 31.8754

Sweetspot

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



24.9729, 12.1909, 32.0473



60.9648, 49.6323, 77.2358



8.7212, 3.5328, 43.9388



12.7796, 9.9975, 16.3625



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.



24.9729, 12.1909, 32.0473



44.6594, 21.8063, 57.0493



20.0512, 10.2222, 6.1296



8.7965, 8.6253, 10.4267



17.2349, 8.4115, 22.1947



0.5566, 0.2704, 0.7737

Inverse Universe

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



24.9729, 12.1909, 32.0473



44.6594, 21.8063, 57.0493



19.5983, 34.2779, 21.6952



8.7965, 8.6253, 10.4267



17.2349, 8.4115, 22.1947



0.5566, 0.2704, 0.7737

Previews

White Background



This preview shows how the XYZ color 24.9725, 12.1903, 32.0471 looks on a white background.

Color Contrast Check

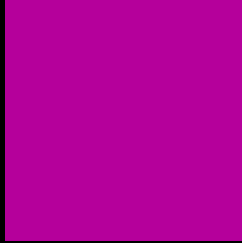
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9725, 12.1903, 32.0471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

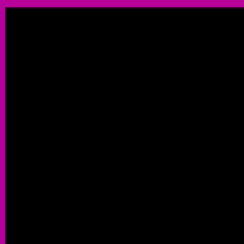
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.9725, 12.1903, 32.0471

Background



This preview shows how black text looks on a background with the XYZ color 24.9725, 12.1903, 32.0471.



This preview shows how white text looks on a background with the XYZ color 24.9725, 12.1903,

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

24.9725, 12.1903, 32.0471

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

13.1477, 12.9525, 28.5952



Tritanopia

19.8565, 12.6034, 6.3872

Trichromacy



Original Color

24.9725, 12.1903, 32.0471



Protanomaly

12.9390, 8.1914, 47.9128



Deuteranomaly

14.7294, 9.6883, 29.5275



Tritanomaly

20.8346, 11.5630, 12.6890

Monochromacy



Original Color

24.9725, 12.1903, 32.0471



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.0574, 6.3580, 13.2675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9725, 12.1903, 32.0471 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(181, 0, 155)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 155)  
}
```

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(181, 0, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 155) }
```

Border

The CSS property to change the border of an element to XYZ 24.9725, 12.1903, 32.0471 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(181, 0, 155) }
```


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

```
.border{ border-color:rgb(181, 0, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 155);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9725, 12.1903, 32.0471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 155) }
```

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

```
.background{ background-color: rgb(181, 0,  
155) }
```

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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