

Converting Colors

XYZ(23.1470, 8.8897, 24.8954)

Have a look what the booklet for
XYZ(23.1470, 8.8897, 24.8954)
contains.

XYZ(24.9099, 12.3032, 25.4880)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.9099, 12.3032,
25.4880)**

Conversions

Conversions Part 1

Format	Color
Hex	BA008B
RGB	186, 0, 139
RGB Percent	73%, 0%, 55%
CMY	0.2706, 0.9999, 0.4549
CMYK	0.00, 1.00, 0.25, 0.27
HSL	315°, 100%, 36%
HSV	315°, 100%, 73%
XYZ	24.9099, 12.3032, 25.4880
YIQ	71.4600, 66.2370, 82.6610

Conversions

Conversions Part 2

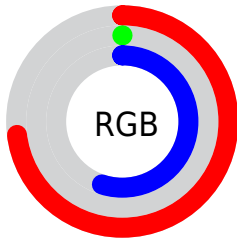
Format	Color
RYB	186, 0, 139
Decimal	12189835
CIELab	41.69, 71.29, -23.79
CIELCh	42, 75.157, 341.548
Yxy	12.3032, 0.3973, 0.1962
Android (android.graphics.Color)	4290379915 (0xFFBA008B)
YUV	71.4600, 33.2972, 100.4516
Hunter-Lab	35.0759, 65.3827, -18.5301

Details

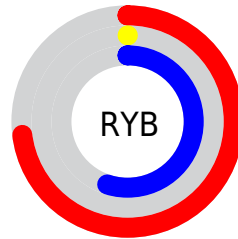
The XYZ color **24.9099, 12.3032, 25.4880** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **18.0730, 35.3236, 8.5580**, and the grayscale version is **6.0073, 6.3201, 6.8826**.

A 20% lighter version of the original color is **50.9595, 30.0987, 53.5758**, and **10.7053, 5.3105, 9.9120** is the 20% darker color. If you saturate the color by 10%, you get **24.9094, 12.3030, 25.4852**, and if you desaturate by 10%, it is **25.4876, 12.8969, 27.4120**.

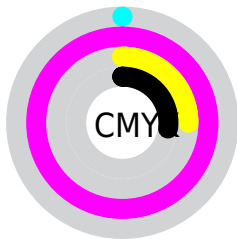
Distribution



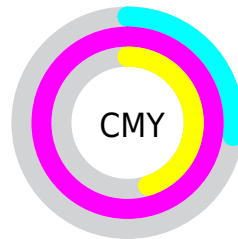
- Red (73%)
- Green (0%)
- Blue (55%)



- Red (73%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9099, 12.3032, 25.4880 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 24.9099, 12.3032, 25.4880 by changing the saturation by 10% instead.


 24.9099, 12.3032,
25.4880


 24.9099, 12.3032,
25.4880


269.7449,
206.4023, 293.7847


 16.1383, 6.9505,
16.2187


 50.9550, 30.0461,
53.4217


 9.7135, 3.4312,
9.5230

 68.9592, 43.2052,
72.9232


 5.2703, 1.3608,
4.9824

 90.7716, 59.7351,
96.6724

 2.4431, 0.1875,
2.1784

 116.7576, 80.0204,
125.0880

 0.8666, 0.0000,
0.6619

 147.2826,
104.4453, 158.5885

 0.0000, 0.0000,
0.0000

 182.7119,

133.3944, 197.5924

223.4109,
167.2519, 242.5183

■ 24.9099, 12.3032,
25.4880

■ 24.9099, 12.3032,
25.4880

■ 24.9094, 12.3030,
25.4852

■ 25.4876, 12.8969,
27.4120

■ 26.2957, 13.9275,
29.4864

■ 27.4139, 15.5543,
31.7388

■ 28.8819, 17.8561,
34.1834

■ 30.7332, 20.8996,
36.8320

■ 32.9971, 24.7435,
39.6954

■ 35.7003, 29.4405,
42.7831

■ 38.8669, 35.0388,
46.1041

■ 42.5193, 41.5831,
49.6667

Harmonies

Analogous

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



20.2296, 12.3032, 51.3923



24.9099, 12.3032, 25.4880



25.4610, 12.3032, 8.1905

Triad

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



24.9099, 12.3032, 25.4880



9.6971, 12.3032, 0.0000



5.4184, 12.3032, 45.3132

Complementary

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



24.9099, 12.3032, 25.4880



18.0730, 35.3236, 8.5580

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.



4.0783, 12.3032, 20.4406



24.9099, 12.3032, 25.4880



5.9772, 12.3032, 1.0992

Square

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



24.9099, 12.3032, 25.4880



15.3808, 12.3032, 0.0415



4.2443, 12.3032, 5.9006



8.6489, 12.3032, 67.7749

Rectangle

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



24.9099, 12.3032, 25.4880



23.2560, 12.3032, 2.9618



4.2443, 12.3032, 5.9006



4.7858, 12.3032, 36.3913

Sweetspot

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



24.9103, 12.3039, 25.4882



64.4377, 52.8873, 77.2499



10.0136, 4.1389, 46.7256



13.7149, 10.8170, 16.4802



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.



24.9103, 12.3039, 25.4882



45.0471, 22.2588, 45.6527



20.7536, 10.6412, 3.5992



9.2813, 9.1229, 10.8289



16.7896, 8.2896, 17.3109



0.6153, 0.3016, 0.7334

Inverse Universe

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



24.9103, 12.3039, 25.4882



45.0471, 22.2588, 45.6527



22.2567, 36.9971, 30.5891



9.2813, 9.1229, 10.8289



16.7896, 8.2896, 17.3109



0.6153, 0.3016, 0.7334

Previews

White Background



This preview shows how the XYZ color 24.9099, 12.3032, 25.4880 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 24.9099, 12.3032, 25.4880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

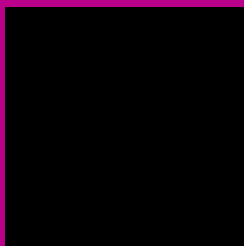
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.9099, 12.3032, 25.4880

Background



This preview shows how black text looks on a background with the XYZ color 24.9099, 12.3032, 25.4880.



This preview shows how white text looks on a background with the XYZ color 24.9099, 12.3032,

25.4880.

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

24.9099, 12.3032, 25.4880

Protanopia

15.3974, 13.2439, 55.1709

Deuteranopia

13.2104, 12.9683, 22.9260



Tritanopia

20.9523, 12.7412, 5.3580

Trichromacy



Original Color

24.9099, 12.3032, 25.4880



Protanomaly

14.0721, 8.8949, 42.5702



Deuteranomaly

14.9132, 9.8377, 23.3031



Tritanomaly

21.6127, 11.8353, 10.1621

Monochromacy



Original Color

24.9099, 12.3032, 25.4880



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.8598, 6.2320, 11.7496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9099, 12.3032, 25.4880 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(186, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 139)  
}
```

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(186, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 139) }
```

Border

The CSS property to change the border of an element to XYZ 24.9099, 12.3032, 25.4880 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(186, 0, 139) }
```


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

```
.border{ border-color:rgb(186, 0, 139) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9099, 12.3032, 25.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 139) }
```

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

```
.background{ background-color: rgb(186, 0,  
139) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor