

Converting Colors

XYZ(24.7219, 12.2280, 24.4991)

Have a look what the booklet for
XYZ(24.7219, 12.2280, 24.4991)
contains.

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Color

**XYZ(24.6936, 12.2167,
24.3491)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0088
RGB	186, 0, 136
RGB Percent	73%, 0%, 53%
CMY	0.2706, 0.9999, 0.4667
CMYK	0.00, 1.00, 0.27, 0.27
HSL	316°, 100%, 36%
HSV	316°, 100%, 73%
XYZ	24.6936, 12.2167, 24.3491
YIQ	71.1180, 67.2000, 81.7280

Conversions

Conversions Part 2

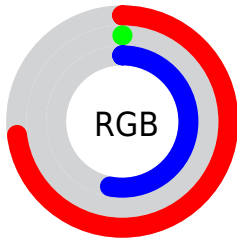
Format	Color
RYB	186, 0, 136
Decimal	12189832
CIELab	41.56, 70.95, -22.16
CIELCh	42, 74.328, 342.656
Yxy	12.2167, 0.4031, 0.1994
Android (android.graphics.Color)	4290379912 (0xFFBA0088)
YUV	71.1180, 31.9868, 100.7515
Hunter-Lab	34.9524, 64.9422, -16.8369

Details

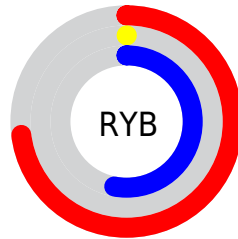
The XYZ color **24.6936, 12.2167, 24.3491** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **18.1357, 35.3486, 8.8882**, and the grayscale version is **5.9517, 6.2617, 6.8189**.

A 20% lighter version of the original color is **50.5488, 29.8075, 51.8044**, and **10.5818, 5.2611, 9.2619** is the 20% darker color. If you saturate the color by 10%, you get **24.6931, 12.2165, 24.3461**, and if you desaturate by 10%, it is **25.2842, 12.8156, 26.3407**.

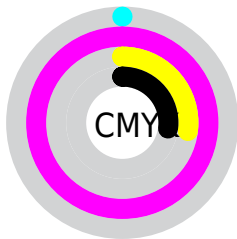
Distribution



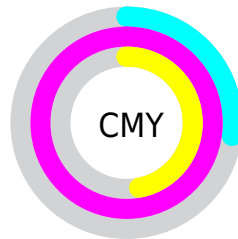
- Red (73%)
- Green (0%)
- Blue (53%)



- Red (73%)
- Yellow (0%)
- Blue (53%)



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





- Cyan (27%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6936, 12.2167, 24.3491 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 24.6936, 12.2167, 24.3491 by changing the saturation by 10% instead.


 24.6936, 12.2167,
24.3491


 24.6936, 12.2167,
24.3491


268.6845,
205.8347, 287.9239


 15.9764, 6.8914,
15.3782


 50.6062, 29.8892,
51.5502


 9.5982, 3.3943,
8.9357


 68.5323, 43.0052,
70.6175


 5.1936, 1.3409,
4.6030

 90.2589, 59.4869,
93.8874

 2.3972, 0.1725,
1.9616

 116.1511, 79.7187,
121.7784

 0.8437, 0.0000,
0.5315

 146.5744,
104.0849, 154.7089

 0.0000, 0.0000,
0.0000

 181.8942,

132.9701, 193.0977

222.4758,
166.7585, 237.3632

■ 24.6936, 12.2167,
24.3491

■ 24.6936, 12.2167,
24.3491

■ 24.6931, 12.2165,
24.3461

■ 25.2842, 12.8156,
26.3407

■ 26.1069, 13.8521,
28.4926

■ 27.2418, 15.4856,
30.8325

■ 28.7284, 17.7949,
33.3746

■ 30.6002, 20.8466,
36.1312

■ 32.8867, 24.6996,
39.1130

■ 35.6144, 29.4064,
42.3300

■ 38.8076, 35.0155,
45.7911

■ 42.4888, 41.5713,
49.5048

Harmonies

Analogous

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



20.2158, 12.2167, 49.6134



24.6936, 12.2167, 24.3491



25.0607, 12.2167, 7.7691

Triad

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



24.6936, 12.2167, 24.3491



9.4718, 12.2167, 0.0000



5.5034, 12.2167, 45.5713

Complementary

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



24.6936, 12.2167, 24.3491



18.1357, 35.3486, 8.8882

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.



4.1155, 12.2167, 20.9840



24.6936, 12.2167, 24.3491



5.8785, 12.2167, 1.2055

Square

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



24.6936, 12.2167, 24.3491



15.0088, 12.2167, 0.0492



4.2271, 12.2167, 6.2333



8.7701, 12.2167, 67.0886

Rectangle

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



24.6936, 12.2167, 24.3491



22.8006, 12.2167, 2.8140



4.2271, 12.2167, 6.2333



4.8550, 12.2167, 36.8258

Sweetspot

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



24.6940, 12.2174, 24.3493



64.2793, 52.8240, 76.4157



10.1601, 4.2144, 46.7324



13.6758, 10.8014, 16.2743



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.



24.6940, 12.2174, 24.3493



44.6514, 22.1006, 43.5693



20.6939, 10.6173, 3.2851



9.2751, 9.1204, 10.7960



16.6452, 8.2318, 16.5503



0.6111, 0.2999, 0.7115

Inverse Universe

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



24.6940, 12.2174, 24.3493



44.6514, 22.1006, 43.5693



22.4875, 37.0893, 31.8046



9.2751, 9.1204, 10.7960



16.6452, 8.2318, 16.5503



0.6111, 0.2999, 0.7115

Previews

White Background



This preview shows how the XYZ color 24.6936, 12.2167, 24.3491 looks on a white background.

Color Contrast Check

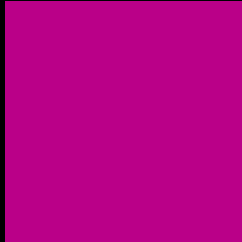
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6936, 12.2167, 24.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

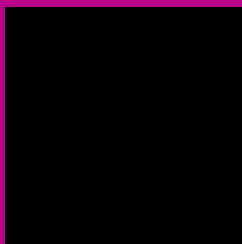
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.6936, 12.2167, 24.3491

Background



This preview shows how black text looks on a background with the XYZ color 24.6936, 12.2167, 24.3491.



This preview shows how white text looks on a background with the XYZ color 24.6936, 12.2167,

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

24.6936, 12.2167, 24.3491

Protanopia

15.0945, 13.0023, 52.7531

Deuteranopia

13.1165, 12.9428, 21.8856



Tritanopia

20.8554, 12.6272, 5.0795

Trichromacy



Original Color

24.6936, 12.2167, 24.3491



Protanomaly

14.0893, 8.9492, 40.5199



Deuteranomaly

14.8600, 9.8338, 22.2340



Tritanomaly

21.5031, 11.7450, 9.7280

Monochromacy



Original Color

24.6936, 12.2167, 24.3491



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.8140, 6.2137, 11.5086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6936, 12.2167, 24.3491 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 136) }
```

Border

The CSS property to change the border of an element to XYZ 24.6936, 12.2167, 24.3491 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, 136) }
```


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

```
.border{ border-color:rgb(186, 0, 136) }
```

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, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6936, 12.2167, 24.3491 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, 136) }
```

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

```
.background{ background-color: rgb(186, 0,  
136) }
```

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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