

Converting Colors

XYZ(24.6473, 12.2024, 23.9148)

Have a look what the booklet for
XYZ(24.6473, 12.2024, 23.9148)
contains.

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Color

**XYZ(24.6229, 12.1884,
23.9765)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0087
RGB	186, 0, 135
RGB Percent	73%, 0%, 53%
CMY	0.2706, 0.9999, 0.4706
CMYK	0.00, 1.00, 0.27, 0.27
HSL	316°, 100%, 36%
HSV	316°, 100%, 73%
XYZ	24.6229, 12.1884, 23.9765
YIQ	71.0040, 67.5210, 81.4170

Conversions

Conversions Part 2

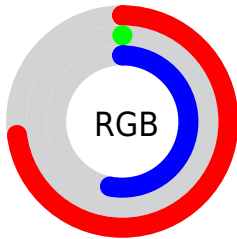
Format	Color
R_{YB}	186, 0, 135
Decimal	12189831
CIE _{Lab}	41.51, 70.84, -21.61
CIE _{LCh}	42, 74.059, 343.033
Yxy	12.1884, 0.4051, 0.2005
Android (android.graphics.Color)	4290379911 (0xFFBA0087)
YUV	71.0040, 31.5500, 100.8515
Hunter-Lab	34.9119, 64.7979, -16.2804

Details

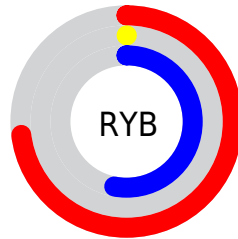
The XYZ color **24.6229, 12.1884, 23.9765** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **18.1575, 35.3574, 9.0031**, and the grayscale version is **5.9331, 6.2420, 6.7976**.

A 20% lighter version of the original color is **50.3316, 29.7207, 50.6608**, and **10.5418, 5.2451, 9.0511** is the 20% darker color. If you saturate the color by 10%, you get **24.6224, 12.1882, 23.9736**, and if you desaturate by 10%, it is **25.2175, 12.7889, 25.9894**.

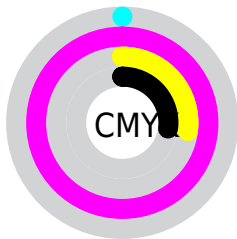
Distribution



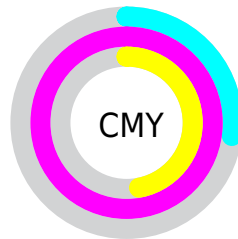
- Red (73%)
- Green (0%)
- Blue (53%)



- 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 24.6229, 12.1884, 23.9765 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 24.6229, 12.1884, 23.9765 by changing the saturation by 10% instead.


 24.6229, 12.1884,
23.9765


 24.6229, 12.1884,
23.9765


268.3371,
205.6486, 285.9844


 15.9236, 6.8721,
15.1041


 50.4921, 29.8378,
50.9352


 9.5606, 3.3823,
8.7451


 68.3927, 42.9397,
69.8586


 5.1686, 1.3344,
4.4807

 90.0910, 59.4055,
92.9695

 2.3823, 0.1676,
1.8926

 115.9526, 79.6198,
120.6864

 0.8363, 0.0000,
0.4880

 146.3426,
103.9668, 153.4277

 0.0000, 0.0000,
0.0000

 181.6264,

132.8311, 191.6122

222.1695,
166.5968, 235.6582

■ 24.6229, 12.1884,
23.9765

■ 24.6229, 12.1884,
23.9765

■ 24.6224, 12.1882,
23.9736

■ 25.2175, 12.7889,
25.9894

■ 26.0449, 13.8272,
28.1660

■ 27.1851, 15.4628,
30.5339

■ 28.6777, 17.7744,
33.1077

■ 30.5561, 20.8288,
35.8994

■ 32.8499, 24.6847,
38.9200

■ 35.5857, 29.3947,
42.1795

■ 38.7877, 35.0072,
45.6869

■ 42.4784, 41.5668,
49.4507

Harmonies

Analogous

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



20.2124, 12.1884, 49.0298



24.6229, 12.1884, 23.9765



24.9291, 12.1884, 7.6315

Triad

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



24.6229, 12.1884, 23.9765



9.3975, 12.1884, 0.0000



5.5322, 12.1884, 45.6612

Complementary

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



24.6229, 12.1884, 23.9765



18.1575, 35.3574, 9.0031

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.



4.1281, 12.1884, 21.1695



24.6229, 12.1884, 23.9765



5.8458, 12.1884, 1.2426

Square

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



24.6229, 12.1884, 23.9765



14.8862, 12.1884, 0.0518



4.2215, 12.1884, 6.3478



8.8114, 12.1884, 66.8644

Rectangle

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



24.6229, 12.1884, 23.9765



22.6507, 12.1884, 2.7657



4.2215, 12.1884, 6.3478



4.8786, 12.1884, 36.9746

Sweetspot

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



24.6233, 12.1891, 23.9767



64.2267, 52.8030, 76.1391



10.1601, 4.2144, 46.7325



13.6628, 10.7962, 16.2060



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.



24.6233, 12.1891, 23.9767



44.5221, 22.0488, 42.8882



20.6939, 10.6173, 3.2850



9.2730, 9.1196, 10.7850



16.5980, 8.2129, 16.3015



0.6097, 0.2994, 0.7043

Inverse Universe

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



24.6233, 12.1891, 23.9767



44.5221, 22.0488, 42.8882



22.4876, 37.0894, 31.8046



9.2730, 9.1196, 10.7850



16.5980, 8.2129, 16.3015



0.6097, 0.2994, 0.7043

Previews

White Background



This preview shows how the XYZ color 24.6229, 12.1884, 23.9765 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 24.6229, 12.1884, 23.9765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

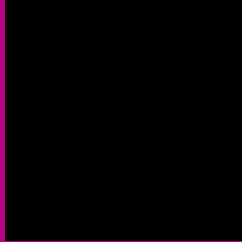
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.6229, 12.1884, 23.9765

Background



This preview shows how black text looks on a background with the XYZ color 24.6229, 12.1884, 23.9765.



This preview shows how white text looks on a background with the XYZ color 24.6229, 12.1884,

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

24.6229, 12.1884, 23.9765

Protanopia

14.9614, 12.9595, 51.5821

Deuteranopia

13.0633, 12.7831, 21.5175



Tritanopia

20.8093, 12.5350, 5.0641

Trichromacy



Original Color

24.6229, 12.1884, 23.9765



Protanomaly

14.1103, 8.9822, 39.5181



Deuteranomaly

14.7383, 9.6974, 21.8639



Tritanomaly

21.5031, 11.7450, 9.7280

Monochromacy



Original Color

24.6229, 12.1884, 23.9765



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7688, 6.1956, 11.2707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6229, 12.1884, 23.9765 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 135) }
```

Border

The CSS property to change the border of an element to XYZ 24.6229, 12.1884, 23.9765 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, 135) }
```


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

```
.border{ border-color:rgb(186, 0, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6229, 12.1884, 23.9765 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, 135) }
```

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

```
.background{ background-color: rgb(186, 0,  
135) }
```

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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