

Converting Colors

XYZ(24.2121, 12.0241, 21.8136)

Have a look what the booklet for
XYZ(24.2121, 12.0241, 21.8136)
contains.

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Color

**XYZ(24.2121, 12.0241,
21.8136)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0081
RGB	186, 0, 129
RGB Percent	73%, 0%, 51%
CMY	0.2706, 0.9999, 0.4941
CMYK	0.00, 1.00, 0.31, 0.27
HSL	318°, 100%, 36%
HSV	318°, 100%, 73%
XYZ	24.2121, 12.0241, 21.8136
YIQ	70.3200, 69.4470, 79.5510

Conversions

Conversions Part 2

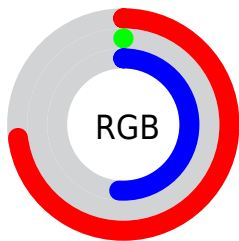
Format	Color
R_{YB}	186, 0, 129
Decimal	12189825
CIE _{Lab}	41.25, 70.17, -18.31
CIE _{LCh}	41, 72.522, 345.374
Yxy	12.0241, 0.4171, 0.2071
Android (android.graphics.Color)	4290379905 (0xFFBA0081)
YUV	70.3200, 28.9292, 101.4514
Hunter-Lab	34.6758, 63.9536, -13.0247

Details

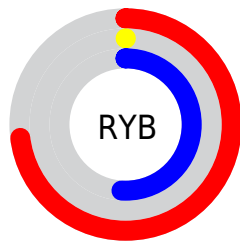
The XYZ color **24.2121, 12.0241, 21.8136** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18.2986, 35.4137, 9.7461**, and the grayscale version is **5.8229, 6.1261, 6.6714**.

A 20% lighter version of the original color is **49.6980, 29.4672, 47.3243**, and **10.2004, 5.0912, 8.0345** is the 20% darker color. If you saturate the color by 10%, you get **24.2115, 12.0238, 21.8103**, and if you desaturate by 10%, it is **24.8285, 12.6333, 23.9414**.

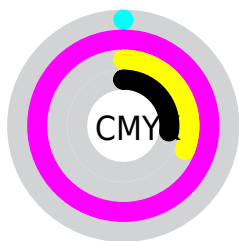
Distribution



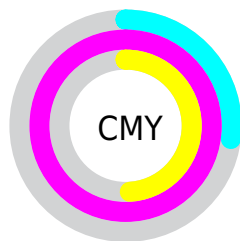
- Red (73%)
- Green (0%)
- Blue (51%)



- Red (73%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2121, 12.0241, 21.8136 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 24.2121, 12.0241, 21.8136 by changing the saturation by 10% instead.

■ 24.2121, 12.0241,
21.8136

■ 24.2121, 12.0241,
21.8136

266.3117,
204.5648, 274.4930

■ 15.6166, 6.7601,
13.5230

■ 49.8283, 29.5390,
47.3360

■ 9.3424, 3.3125,
7.6547

■ 67.5796, 42.5587,
65.4048

■ 5.0241, 1.2970,
3.7902

■ 89.1137, 58.9324,
87.5701

■ 2.2963, 0.1389,
1.5110

■ 114.7958, 79.0444,
114.2505

■ 0.7928, 0.0000,
0.2261

■ 144.9913,
103.2793, 145.8644

■ 0.0000, 0.0000,
0.0000

■ 180.0655,

132.0214, 182.8304

220.3839,
165.6551, 225.5671

■ 24.2121, 12.0241,
21.8136

■ 24.2121, 12.0241,
21.8136

■ 24.2115, 12.0238,
21.8103

■ 24.8285, 12.6333,
23.9414

■ 25.6818, 13.6820,
26.2540

■ 26.8520, 15.3297,
28.7798

■ 28.3788, 17.6551,
31.5337

■ 30.2958, 20.7250,
34.5283

■ 32.6326, 24.5981,
37.7751

■ 35.4159, 29.3272,
41.2844

■ 38.6699, 34.9605,
45.0657

■ 42.4173, 41.5429,
49.1280

Harmonies

Analogous

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



20.2035, 12.0241, 45.6227



24.2121, 12.0241, 21.8136



24.1560, 12.0241, 6.8355

Triad

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



24.2121, 12.0241, 21.8136



8.9601, 12.0241, 0.0840



5.7114, 12.0241, 46.2376

Complementary

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



24.2121, 12.0241, 21.8136



18.2986, 35.4137, 9.7461

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.



4.2064, 12.0241, 22.3289



24.2121, 12.0241, 21.8136



5.6530, 12.0241, 1.4836

Square

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



24.2121, 12.0241, 21.8136



14.1661, 12.0241, 0.0669



4.1890, 12.0241, 7.0741



9.0685, 12.0241, 65.5618

Rectangle

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



24.2121, 12.0241, 21.8136



21.7696, 12.0241, 2.4850



4.1890, 12.0241, 7.0741



5.0245, 12.0241, 37.9083

Sweetspot

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



24.2125, 12.0248, 21.8138



63.9139, 52.6778, 74.4919



10.4842, 4.3815, 46.7474



13.5857, 10.7653, 15.8000



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.



24.2125, 12.0248, 21.8138



43.7717, 21.7487, 38.9365



20.5875, 10.5748, 2.7249



9.2605, 9.1146, 10.7194



16.3234, 8.1031, 14.8558



0.6017, 0.2962, 0.6620

Inverse Universe

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



24.2125, 12.0248, 21.8138



43.7717, 21.7487, 38.9365



22.9686, 37.2817, 34.3383



9.2605, 9.1146, 10.7194



16.3234, 8.1031, 14.8558



0.6017, 0.2962, 0.6620

Previews

White Background



This preview shows how the XYZ color 24.2121, 12.0241, 21.8136 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

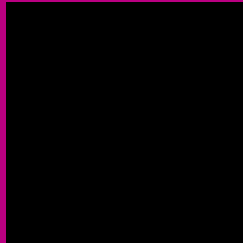
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2121, 12.0241, 21.8136

Background



This preview shows how black text looks on a background with the XYZ color 24.2121, 12.0241, 21.8136.



This preview shows how white text looks on a background with the XYZ color 24.2121, 12.0241,

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

24.2121, 12.0241, 21.8136

Protanopia

14.5020, 12.8223, 47.0580

Deuteranopia

12.9034, 12.7441, 19.5491



Tritanopia

20.8825, 12.4485, 4.6703

Trichromacy



Original Color

24.2121, 12.0241, 21.8136



Protanomaly

14.0170, 9.0091, 36.1221



Deuteranomaly

14.6578, 9.7006, 19.8387



Tritanomaly

21.5302, 11.6944, 8.9071

Monochromacy



Original Color

24.2121, 12.0241, 21.8136



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.5088, 6.0768, 10.5693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2121, 12.0241, 21.8136 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 129) }
```

Border

The CSS property to change the border of an element to XYZ 24.2121, 12.0241, 21.8136 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, 129) }
```


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

```
.border{ border-color:rgb(186, 0, 129) }
```

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, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 129);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2121, 12.0241, 21.8136 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, 129) }
```

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

```
.background{ background-color: rgb(186, 0,  
129) }
```

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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