

Converting Colors

XYZ(24.7040, 12.4014, 24.2389)

Have a look what the booklet for
XYZ(24.7040, 12.4014, 24.2389)
contains.

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Color

**XYZ(24.8133, 12.4560,
24.3890)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0B88
RGB	186, 11, 136
RGB Percent	73%, 4%, 53%
CMY	0.2706, 0.9568, 0.4667
CMYK	0.00, 0.94, 0.27, 0.27
HSL	317°, 89%, 39%
HSV	317°, 94%, 73%
XYZ	24.8133, 12.4560, 24.3890
YIQ	77.5750, 64.1750, 75.9750

Conversions

Conversions Part 2

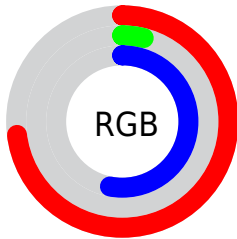
Format	Color
R_{YB}	186, 11, 136
Decimal	12192648
CIE _{Lab}	41.93, 69.85, -21.58
CIE _{LCh}	42, 73.111, 342.833
Yxy	12.4560, 0.4024, 0.2020
Android (android.graphics.Color)	4290382728 (0xFFBA0B88)
YUV	77.5750, 28.8035, 95.0887
Hunter-Lab	35.2931, 63.7342, -16.2668

Details

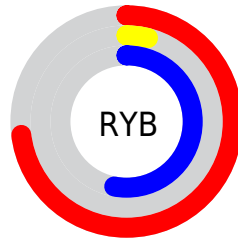
The XYZ color **24.8133, 12.4560, 24.3890** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18.5403, 35.5265, 10.2987**, and the grayscale version is **7.1035, 7.4735, 8.1386**.

A 20% lighter version of the original color is **50.7900, 30.2900, 51.8848**, and **10.5818, 5.2611, 9.2619** is the 20% darker color. If you saturate the color by 10%, you get **24.4730, 12.1284, 23.1869**, and if you desaturate by 10%, it is **25.5359, 13.2814, 26.5402**.

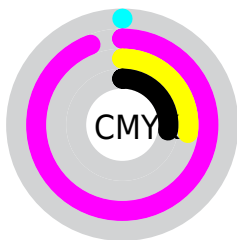
Distribution



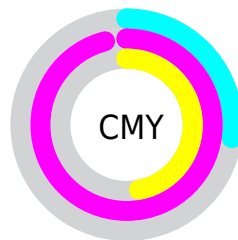
- Red (73%)
- Green (4%)
- Blue (53%)



- Red (73%)
- Yellow (4%)
- Blue (53%)



- Cyan (0%)
- Magenta (94%)
- Yellow (27%)
- Black (27%)





- Cyan (27%)
- Magenta (96%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8133, 12.4560, 24.3890 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 24.8133, 12.4560, 24.3890 by changing the saturation by 10% instead.


 24.8133, 12.4560,
24.3890


 24.8133, 12.4560,
24.3890


269.2717,
207.4012, 288.1309


 16.0660, 7.0550,
15.4076


 50.7993, 30.3229,
51.6160


 9.6620, 3.4965,
8.9561


 68.7686, 43.5577,
70.6987


 5.2360, 1.3961,
4.6162

 90.5427, 60.1725,
93.9855

 2.4226, 0.2139,
1.9691

 116.4869, 80.5518,
121.8950

 0.8564, 0.0000,
0.5362

 146.9666,
105.0799, 154.8458

 0.0000, 0.0000,
0.0000

 182.3470,

134.1412, 193.2563

222.9936,
168.1202, 237.5452

■ 24.8133, 12.4560,
24.3890

■ 24.8133, 12.4560,
24.3890

■ 24.4730, 12.1284,
23.1869

■ 25.5359, 13.2814,
26.5402

■ 26.5535, 14.6666,
28.8834

■ 27.9097, 16.6981,
31.4344

■ 29.6400, 19.4467,
34.2065

■ 31.7757, 22.9743,
37.2111

■ 34.3442, 27.3357,
40.4587

■ 37.3709, 32.5809,
43.9588

■ 40.8789, 38.7560,
47.7204

■ 44.8898, 45.9038,
51.7517

Harmonies

Analogous

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



20.4095, 12.4560, 49.2240



24.8133, 12.4560, 24.3890



25.1482, 12.4560, 7.9649

Triad

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



24.8133, 12.4560, 24.3890



9.6764, 12.4560, 0.0707



5.7333, 12.4560, 45.5571

Complementary

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



24.8133, 12.4560, 24.3890



18.5403, 35.5265, 10.2987

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.



4.3189, 12.4560, 21.3107



24.8133, 12.4560, 24.3890



6.0831, 12.4560, 1.3480

Square

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



24.8133, 12.4560, 24.3890



15.1814, 12.4560, 0.1708



4.4237, 12.4560, 6.5343



9.0273, 12.4560, 66.5567

Rectangle

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



24.8133, 12.4560, 24.3890



22.9028, 12.4560, 2.9757



4.4237, 12.4560, 6.5343



5.0746, 12.4560, 36.9658

Sweetspot

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



24.8137, 12.4567, 24.3892



65.2225, 54.6767, 76.8342



10.8830, 4.7647, 46.8006



13.8514, 11.1565, 16.3206



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.



24.8137, 12.4567, 24.3892



44.2491, 21.9396, 41.4506



20.9228, 10.9003, 3.9000



9.2685, 9.1178, 10.7616



16.4982, 8.1730, 15.7760



0.6068, 0.2982, 0.6890

Inverse Universe

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



24.8137, 12.4567, 24.3892



44.2491, 21.9396, 41.4506



23.0497, 37.3302, 34.0447



9.2685, 9.1178, 10.7616



16.4982, 8.1730, 15.7760



0.6068, 0.2982, 0.6890

Previews

White Background



This preview shows how the XYZ color 24.8133, 12.4560, 24.3890 looks on a white background.

Color Contrast Check

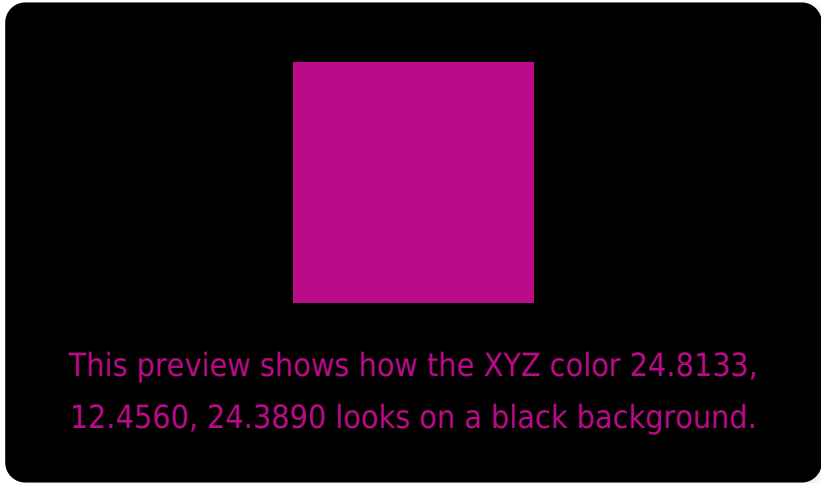
Large Text (above 18pt) WCAG AA ✓ Pass

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

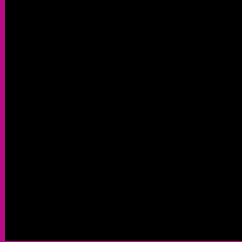
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8133, 12.4560, 24.3890

Background



This preview shows how black text looks on a background with the XYZ color 24.8133, 12.4560, 24.3890.



This preview shows how white text looks on a background with the XYZ color 24.8133, 12.4560,

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

24.8133, 12.4560, 24.3890

Protanopia

15.1656, 13.1900, 52.1987

Deuteranopia

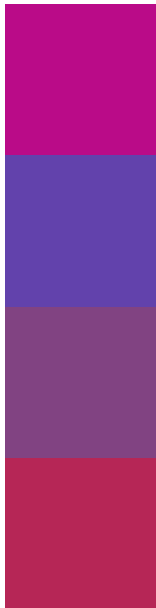
13.2224, 12.9974, 21.8905



Tritanopia

20.8801, 12.6370, 5.2096

Trichromacy



Original Color

24.8133, 12.4560, 24.3890

Protanomaly

14.4316, 9.4717, 40.0973

Deuteranomaly

15.0897, 10.2931, 22.3106

Tritanomaly

21.6642, 12.0032, 9.9791

Monochromacy



Original Color

24.8133, 12.4560, 24.3890

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

10.9074, 7.3211, 12.6426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8133, 12.4560, 24.3890 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, 11, 136)` looks like.

```
.text, #text, p{  
    color:rgb(186, 11, 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, 11, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 11, 136) }
```

Border

The CSS property to change the border of an element to XYZ 24.8133, 12.4560, 24.3890 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, 11, 136) }
```


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

```
.border{ border-color:rgb(186, 11, 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, 11, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 11, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 11, 136);  
box-shadow:4px 4px 4px 4px rgb(186, 11,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8133, 12.4560, 24.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 11, 136) }
```

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

```
.background{ background-color: rgb(186, 11,  
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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