

Converting Colors

XYZ(23.2536, 8.7702, 21.7747)

Have a look what the booklet for
XYZ(23.2536, 8.7702, 21.7747)
contains.

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Color

**XYZ(25.0830, 12.4575,
22.5552)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0083
RGB	189, 0, 131
RGB Percent	74%, 0%, 51%
CMY	0.2588, 0.9999, 0.4863
CMYK	0.00, 1.00, 0.31, 0.26
HSL	318°, 100%, 37%
HSV	318°, 100%, 74%
XYZ	25.0830, 12.4575, 22.5552
YIQ	71.4450, 70.5930, 80.8090

Conversions

Conversions Part 2

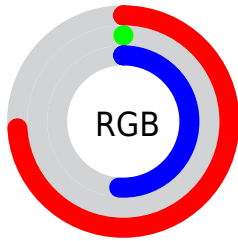
Format	Color
RYB	189, 0, 131
Decimal	12386435
CIELab	41.93, 71.00, -18.45
CIElCh	42, 73.356, 345.431
Yxy	12.4575, 0.4174, 0.2073
Android (android.graphics.Color)	4290576515 (0xFFBD0083)
YUV	71.4450, 29.3606, 103.0957
Hunter-Lab	35.2952, 65.0869, -13.1823

Details

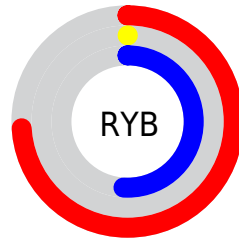
The XYZ color **25.0830, 12.4575, 22.5552** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18.9625, 36.7013, 10.0916**, and the grayscale version is **6.0107, 6.3237, 6.8865**.

A 20% lighter version of the original color is **51.4039, 30.4403, 48.5137**, and **10.6911, 5.3399, 8.2518** is the 20% darker color. If you saturate the color by 10%, you get **25.0825, 12.4573, 22.5520**, and if you desaturate by 10%, it is **25.7191, 13.0827, 24.7618**.

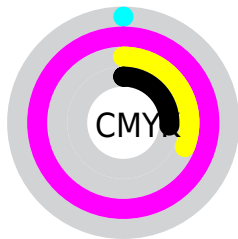
Distribution



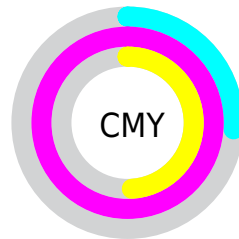
- Red (74%)
- Green (0%)
- Blue (51%)



- Red (74%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0830, 12.4575, 22.5552 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 25.0830, 12.4575, 22.5552 by changing the saturation by 10% instead.


 25.0830, 12.4575,
22.5552


 25.0830, 12.4575,
22.5552


270.5911,
207.4110, 278.4796


 16.2680, 7.0561,
14.0632


 51.2338, 30.3257,
48.5758


 9.8060, 3.4972,
8.0254


 69.3002, 43.5612,
66.9415


 5.3318, 1.3965,
4.0232

 91.1812, 60.1768,
89.4356

 2.4800, 0.2141,
1.6381

 117.2420, 80.5570,
116.4765

 0.8852, 0.0000,
0.3178

 147.8480,
105.0861, 148.4828

 0.0000, 0.0000,
0.0000

 183.3646,

134.1485, 185.8731

224.1572,
168.1287, 229.0658

■ 25.0830, 12.4575,
22.5552

■ 25.0830, 12.4575,
22.5552

■ 25.0825, 12.4573,
22.5520

■ 25.7191, 13.0827,
24.7618

■ 26.6018, 14.1653,
27.1609

■ 27.8134, 15.8694,
29.7816

■ 29.3951, 18.2768,
32.6394

■ 31.3819, 21.4570,
35.7475

■ 33.8046, 25.4713,
39.1177

■ 36.6910, 30.3744,
42.7609

■ 40.0665, 36.2167,
46.6870

■ 43.9544, 43.0446,
50.9054

Harmonies

Analogous

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



20.9384, 12.4575, 47.2003



25.0830, 12.4575, 22.5552



25.0160, 12.4575, 7.0651

Triad

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



25.0830, 12.4575, 22.5552



9.2754, 12.4575, 0.1111



5.9237, 12.4575, 47.9347

Complementary

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



25.0830, 12.4575, 22.5552



18.9625, 36.7013, 10.0916

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.



4.3614, 12.4575, 23.1708



25.0830, 12.4575, 22.5552



5.8539, 12.4575, 1.5439

Square

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



25.0830, 12.4575, 22.5552



14.6639, 12.4575, 0.0911



4.3405, 12.4575, 7.3502



9.4049, 12.4575, 67.9158

Rectangle

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



25.0830, 12.4575, 22.5552



22.5401, 12.4575, 2.5686



4.3405, 12.4575, 7.3502



5.2109, 12.4575, 39.3113

Sweetspot

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



25.0834, 12.4582, 22.5554



65.4371, 53.9264, 76.2495



10.8571, 4.5365, 48.4476



13.5847, 10.7649, 15.7948



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.



25.0834, 12.4582, 22.5554



44.8104, 22.2661, 39.8000



21.3337, 10.9583, 2.8096



9.8019, 9.6450, 11.3456



16.9116, 8.3958, 15.3600



0.6904, 0.3401, 0.7489

Inverse Universe

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



25.0834, 12.4582, 22.5554



44.8104, 22.2661, 39.8000



23.8007, 38.6366, 35.5692



9.8019, 9.6450, 11.3456



16.9116, 8.3958, 15.3600



0.6904, 0.3401, 0.7489

Previews

White Background



This preview shows how the XYZ color 25.0830, 12.4575, 22.5552 looks on a white background.

Color Contrast Check

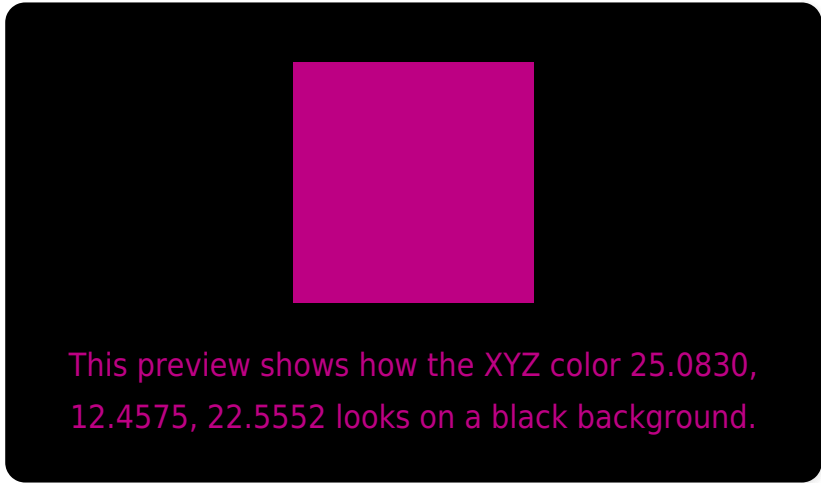
Large Text (above 18pt) WCAG AA ✓ Pass

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

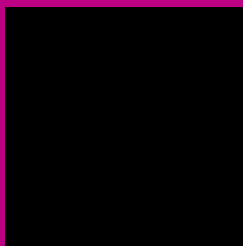
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.0830, 12.4575, 22.5552

Background



This preview shows how black text looks on a background with the XYZ color 25.0830, 12.4575, 22.5552.



This preview shows how white text looks on a background with the XYZ color 25.0830, 12.4575,

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

25.0830, 12.4575, 22.5552

Protanopia

15.0624, 13.3523, 48.7971

Deuteranopia

13.3415, 13.0955, 20.2369



Tritanopia

21.6610, 12.9127, 4.8408

Trichromacy



Original Color

25.0830, 12.4575, 22.5552



Protanomaly

14.4615, 9.2881, 37.5898



Deuteranomaly

15.1520, 10.0222, 20.5379



Tritanomaly

22.3165, 12.1360, 9.1489

Monochromacy



Original Color

25.0830, 12.4575, 22.5552



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.8536, 6.2445, 11.0419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0830, 12.4575, 22.5552 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(189, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 131)  
}
```

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(189, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 131) }
```

Border

The CSS property to change the border of an element to XYZ 25.0830, 12.4575, 22.5552 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(189, 0, 131) }
```


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

```
.border{ border-color:rgb(189, 0, 131) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0830, 12.4575, 22.5552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 131) }
```

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

```
.background{ background-color: rgb(189, 0,  
131) }
```

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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