

Converting Colors

XYZ(24.7544, 12.3175, 21.2130)

Have a look what the booklet for
XYZ(24.7544, 12.3175, 21.2130)
contains.

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Color

**XYZ(24.8170, 12.3511,
21.1547)**

Conversions

Conversions Part 1

Format	Color
Hex	BD007F
RGB	189, 0, 127
RGB Percent	74%, 0%, 50%
CMY	0.2588, 0.9999, 0.5020
CMYK	0.00, 1.00, 0.33, 0.26
HSL	320°, 100%, 37%
HSV	320°, 100%, 74%
XYZ	24.8170, 12.3511, 21.1547
YIQ	70.9890, 71.8770, 79.5650

Conversions

Conversions Part 2

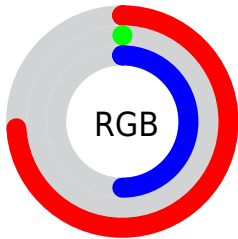
Format	Color
RYB	189, 0, 127
Decimal	12386431
CIELab	41.77, 70.57, -16.24
CIELCh	42, 72.416, 347.044
Yxy	12.3511, 0.4255, 0.2118
Android (android.graphics.Color)	4290576511 (0xFFBD007F)
YUV	70.9890, 27.6134, 103.4956
Hunter-Lab	35.1441, 64.5454, -11.0882

Details

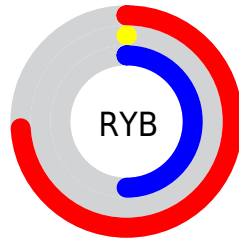
The XYZ color **24.8170, 12.3511, 21.1547** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **19.0683, 36.7435, 10.6490**, and the grayscale version is **5.9365, 6.2456, 6.8015**.

A 20% lighter version of the original color is **50.9903, 30.2749, 46.3362**, and **10.5811, 5.2959, 7.6723** is the 20% darker color. If you saturate the color by 10%, you get **24.8164, 12.3509, 21.1514**, and if you desaturate by 10%, it is **25.4655, 12.9812, 23.4267**.

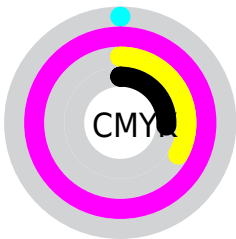
Distribution



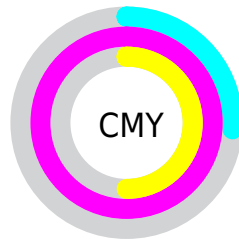
- Red (74%)
- Green (0%)
- Blue (50%)



- Red (74%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8170, 12.3511, 21.1547 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 24.8170, 12.3511, 21.1547 by changing the saturation by 10% instead.


 24.8170, 12.3511,
21.1547


 24.8170, 12.3511,
21.1547


269.2898,
206.7160, 270.9075


 16.0688, 6.9833,
13.0448


 50.8052, 30.1330,
46.2290

 9.6640, 3.4516,
7.3283


 68.7759, 43.3158,
64.0304


 5.2373, 1.3718,
3.5867

 90.5515, 59.8724,
85.8995

 2.4233, 0.1958,
1.4015

 116.4973, 80.1872,
112.2547

 0.8568, 0.0000,
0.1429

 146.9787,
104.6445, 143.5145

 0.0000, 0.0000,
0.0000

 182.3610,

133.6289, 180.0976

223.0096,
167.5246, 222.4224

■ 24.8170, 12.3511,
21.1547

■ 24.8170, 12.3511,
21.1547

■ 24.8164, 12.3509,
21.1514

■ 25.4655, 12.9812,
23.4267

■ 26.3636, 14.0701,
25.9068

■ 27.5936, 15.7815,
28.6244

■ 29.1968, 18.1975,
31.5954

■ 31.2083, 21.3877,
34.8335

■ 33.6590, 25.4131,
38.3508

■ 36.5767, 30.3288,
42.1587

■ 39.9868, 36.1850,
46.2673

■ 43.9128, 43.0281,
50.6864

Harmonies

Analogous

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



20.9441, 12.3511, 44.9749



24.8170, 12.3511, 21.1547



24.5068, 12.3511, 6.5525

Triad

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



24.8170, 12.3511, 21.1547



8.9859, 12.3511, 0.1944



6.0518, 12.3511, 48.3663

Complementary

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



24.8170, 12.3511, 21.1547



19.0683, 36.7435, 10.6490

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.



4.4174, 12.3511, 24.0086



24.8170, 12.3511, 21.1547



5.7256, 12.3511, 1.7275

Square

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



24.8170, 12.3511, 21.1547



14.1886, 12.3511, 0.1009



4.3196, 12.3511, 7.8857



9.5896, 12.3511, 67.0728

Rectangle

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



24.8170, 12.3511, 21.1547



21.9588, 12.3511, 2.3871



4.3196, 12.3511, 7.8857



5.3152, 12.3511, 39.9894

Sweetspot

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



24.8174, 12.3518, 21.1549



65.2293, 53.8433, 75.1554



11.0413, 4.6314, 48.4561



13.5349, 10.7450, 15.5321



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.



24.8174, 12.3518, 21.1549



44.3310, 22.0743, 37.2753



21.2852, 10.9389, 2.5545



9.7932, 9.6416, 11.3000



16.7337, 8.3246, 14.4229



0.6844, 0.3377, 0.7174

Inverse Universe

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



24.8174, 12.3518, 21.1549



44.3310, 22.0743, 37.2753



24.0604, 38.7403, 36.9369



9.7932, 9.6416, 11.3000



16.7337, 8.3246, 14.4229



0.6844, 0.3377, 0.7174

Previews

White Background



This preview shows how the XYZ color 24.8170, 12.3511, 21.1547 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 24.8170, 12.3511, 21.1547 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 24.8170, 12.3511, 21.1547

Background



This preview shows how black text looks on a background with the XYZ color 24.8170, 12.3511, 21.1547.



This preview shows how white text looks on a background with the XYZ color 24.8170, 12.3511,

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

24.8170, 12.3511, 21.1547

Protanopia

14.6326, 13.0637, 45.4664

Deuteranopia

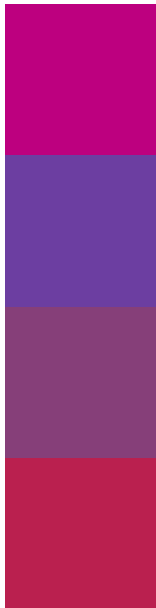
13.2113, 13.0565, 18.9634



Tritanopia

21.5276, 12.7195, 4.5693

Trichromacy



Original Color

24.8170, 12.3511, 21.1547

Protanomaly

14.3400, 9.2066, 34.7395

Deuteranomaly

15.0602, 10.0038, 19.2263

Tritanomaly

22.1775, 12.0366, 8.5516

Monochromacy



Original Color

24.8170, 12.3511, 21.1547

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

9.7661, 6.2095, 10.5814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8170, 12.3511, 21.1547 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 127) }
```

Border

The CSS property to change the border of an element to XYZ 24.8170, 12.3511, 21.1547 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, 127) }
```


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

```
.border{ border-color:rgb(189, 0, 127) }
```

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, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8170, 12.3511, 21.1547 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, 127) }
```

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

```
.background{ background-color: rgb(189, 0,  
127) }
```

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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