

Converting Colors

XYZ(25.8046, 13.0229, 13.8500)

Have a look what the booklet for
XYZ(25.8046, 13.0229, 13.8500)
contains.

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Color

**XYZ(25.6870, 12.9651,
13.7190)**

Conversions

Conversions Part 1

Format	Color
Hex	C60066
RGB	198, 0, 102
RGB Percent	78%, 0%, 40%
CMY	0.2235, 0.9999, 0.6000
CMYK	0.00, 1.00, 0.48, 0.22
HSL	329°, 100%, 39%
HSV	329°, 100%, 78%
XYZ	25.6870, 12.9651, 13.7190
YIQ	70.8300, 85.2660, 73.6980

Conversions

Conversions Part 2

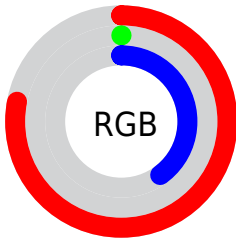
Format	Color
R_{YB}	198, 0, 102
Decimal	12976230
CIE _{Lab}	42.71, 70.20, 0.96
CIE _{LCh}	43, 70.211, 0.783
Yxy	12.9651, 0.4905, 0.2476
Android (android.graphics.Color)	4291166310 (0xFFC60066)
YUV	70.8300, 15.3668, 111.5281
Hunter-Lab	36.0071, 64.3273, 2.6150

Details

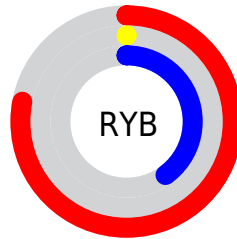
The XYZ color **25.6870, 12.9651, 13.7190** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **22.3076, 41.2335, 17.8585**, and the grayscale version is **5.9288, 6.2375, 6.7927**.

A 20% lighter version of the original color is **50.3176, 30.2155, 33.3171**, and **11.0303, 5.6039, 4.2417** is the 20% darker color. If you saturate the color by 10%, you get **25.6860, 12.9647, 13.7143**, and if you desaturate by 10%, it is **26.4385, 13.6613, 16.4567**.

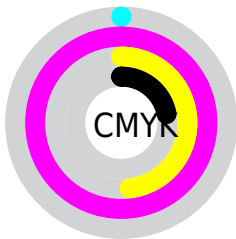
Distribution



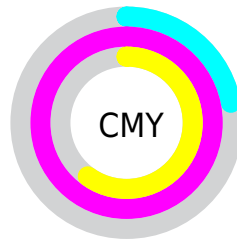
- Red (78%)
- Green (0%)
- Blue (40%)



- Red (78%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.6870, 12.9651, 13.7190 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 25.6870, 12.9651, 13.7190 by changing the saturation by 10% instead.


 25.6870, 12.9651,
13.7190


 25.6870, 12.9651,
13.7190


273.5271,
210.6939, 226.8430


 16.7211, 7.4045,
7.7890


 52.2045, 31.2411,
33.2995


 10.1299, 3.7163,
3.8744


 70.4867, 44.7252,
47.7871


 5.5481, 1.5162,
1.5567

 92.6052, 61.6194,
65.9643

 2.6103, 0.3001,
0.2596

 118.9251, 82.3080,
88.2496

 0.9512, 0.0000,
0.0000

 149.8119,
107.1753, 115.0615

 0.0000, 0.0000,
0.0000

 185.6310,

136.6058, 146.8187

226.7476,
170.9839, 183.9397

■ 25.6870, 12.9651,
13.7190

■ 25.6870, 12.9651,
13.7190

■ 25.6860, 12.9647,
13.7143

■ 26.4385, 13.6613,
16.4567

■ 27.4990, 14.8845,
19.5784

■ 28.9588, 16.8123,
23.1225

■ 30.8655, 19.5375,
27.1130

■ 33.2598, 23.1388,
31.5713

■ 36.1773, 27.6852,
36.5165

■ 39.6503, 33.2387,
41.9668

■ 43.7082, 39.8561,
47.9388

■ 48.3784, 47.5899,
54.4485

Harmonies

Analogous

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



23.6175, 12.9651, 33.8571



25.6870, 12.9651, 13.7190



23.4018, 12.9651, 3.7883

Triad

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



25.6870, 12.9651, 13.7190



7.7837, 12.9651, 0.9313



7.9639, 12.9651, 58.4064

Complementary

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



25.6870, 12.9651, 13.7190



22.3076, 41.2335, 17.8585

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.



5.4447, 12.9651, 35.1187



25.6870, 12.9651, 13.7190



5.3637, 12.9651, 4.0851

Square

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



25.6870, 12.9651, 13.7190



12.1832, 12.9651, 0.2401



4.6492, 12.9651, 14.5222



12.4637, 12.9651, 68.5687

Rectangle

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



25.6870, 12.9651, 13.7190



20.0119, 12.9651, 1.3977



4.6492, 12.9651, 14.5222



6.9091, 12.9651, 51.2957

Sweetspot

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



25.6873, 12.9659, 13.7192



69.9021, 58.3570, 73.8423



14.9878, 6.5496, 53.9002



14.3765, 11.5498, 14.9013



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.6873, 12.9659, 13.7192



45.3599, 22.9079, 23.6249



23.3073, 12.0139, 1.1863



10.8581, 10.7266, 12.2360



16.7477, 8.4487, 9.1475



0.8295, 0.4146, 0.6253

Inverse Universe

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



25.6873, 12.9659, 13.7192



45.3599, 22.9079, 23.6249



30.0110, 44.3149, 58.4243



10.8581, 10.7266, 12.2360



16.7477, 8.4487, 9.1475



0.8295, 0.4146, 0.6253

Previews

White Background



This preview shows how the XYZ color 25.6870, 12.9651, 13.7190 looks on a white background.

Color Contrast Check

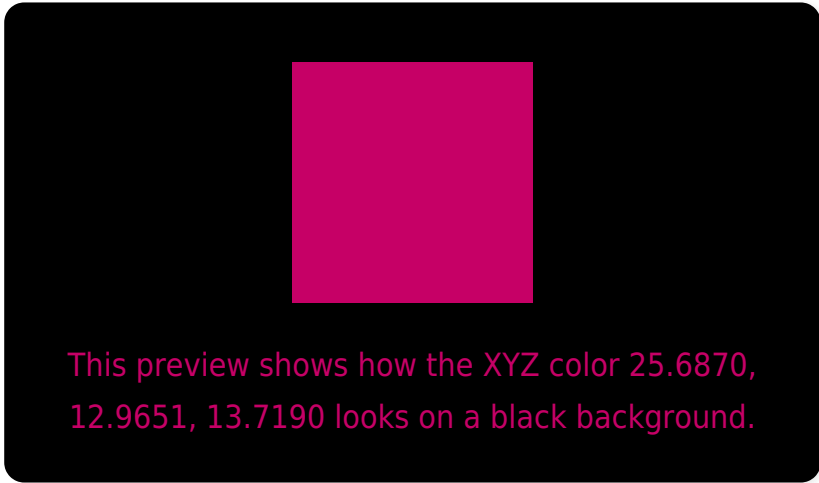
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6870, 12.9651, 13.7190

Background



This preview shows how black text looks on a background with the XYZ color 25.6870, 12.9651, 13.7190.



This preview shows how white text looks on a background with the XYZ color 25.6870, 12.9651,

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

25.6870, 12.9651, 13.7190

Protanopia

14.1377, 13.7332, 29.5094

Deuteranopia

13.9137, 13.7044, 12.5016



Tritanopia

23.6989, 13.3481, 3.4252

Trichromacy



Original Color

25.6870, 12.9651, 13.7190



Protanomaly

15.0403, 10.0864, 22.6269



Deuteranomaly

15.8451, 10.6409, 12.5280



Tritanomaly

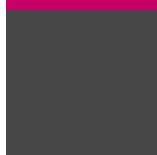
24.0315, 12.8334, 5.9131

Monochromacy



Original Color

25.6870, 12.9651, 13.7190



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7975, 6.2679, 8.6761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6870, 12.9651, 13.7190 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(198, 0, 102)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 102)  
}
```

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(198, 0, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 102) }
```

Border

The CSS property to change the border of an element to XYZ 25.6870, 12.9651, 13.7190 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(198, 0, 102) }
```


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

```
.border{ border-color:rgb(198, 0, 102) }
```

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

Here you see how a box with a 4 pixel rgb(198, 0, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6870, 12.9651, 13.7190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 102) }
```

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

```
.background{ background-color: rgb(198, 0,  
102) }
```

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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