

Converting Colors

XYZ(26.9858, 13.2481, 31.2727)

Have a look what the booklet for
XYZ(26.9858, 13.2481, 31.2727)
contains.

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Color

**XYZ(26.9850, 13.2471,
31.2717)**

Conversions

Conversions Part 1

Format	Color
Hex	BE0099
RGB	190, 0, 153
RGB Percent	75%, 0%, 60%
CMY	0.2549, 0.9999, 0.4000
CMYK	0.00, 1.00, 0.19, 0.25
HSL	312°, 100%, 37%
HSV	312°, 100%, 75%
XYZ	26.9850, 13.2471, 31.2717
YIQ	74.2520, 64.1270, 87.8630

Conversions

Conversions Part 2

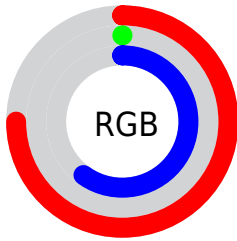
Format	Color
R_{YB}	190, 0, 153
Decimal	12451993
CIE Lab	43.13, 73.74, -30.00
CIE LCh	43, 79.608, 337.860
Yxy	13.2471, 0.3774, 0.1853
Android (android.graphics.Color)	4290642073 (0xFFBE0099)
YUV	74.2520, 38.8228, 101.5110
Hunter-Lab	36.3966, 68.6488, -25.4640

Details

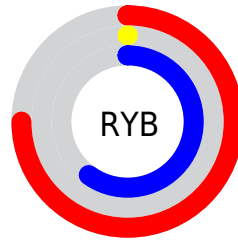
The XYZ color **26.9850, 13.2471, 31.2717** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **18.7484, 36.9611, 7.8988**, and the grayscale version is **6.4819, 6.8195, 7.4264**.

A 20% lighter version of the original color is **54.2177, 31.6945, 62.9346**, and **11.8647, 5.8451, 12.8148** is the 20% darker color. If you saturate the color by 10%, you get **26.9846, 13.2469, 31.2693**, and if you desaturate by 10%, it is **27.5290, 13.8381, 32.9847**.

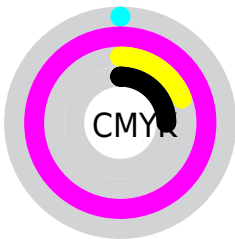
Distribution



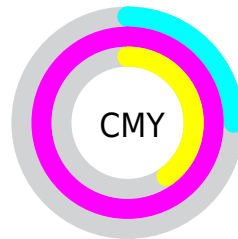
- Red (75%)
- Green (0%)
- Blue (60%)



- Red (75%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.9850, 13.2471, 31.2717 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 26.9850, 13.2471, 31.2717 by changing the saturation by 10% instead.


 26.9850, 13.2471,
31.2717


 26.9850, 13.2471,
31.2717


279.7534,
212.4953, 322.1780


 17.6985, 7.5989,
20.5456


 54.2799, 31.7470,
62.7522


 10.8321, 3.8394,
12.6043


 73.0189, 45.3675,
84.3436


 6.0205, 1.5841,
7.0291


 95.6395, 62.4143,
110.3940

 2.8983, 0.3469,
3.4016

 122.5070, 83.2716,
141.3218

 1.1002, 0.0000,
1.3032

 153.9868,
108.3240, 177.5455

 0.0253, 0.0000,
0.0644

 190.4442,

 0.0000, 0.0000,

137.9558, 219.4838

0.0000

232.2446,
172.5515, 267.5551

■ 26.9850, 13.2471,
31.2717

■ 26.9850, 13.2471,
31.2717

■ 26.9846, 13.2469,
31.2693

■ 27.5290, 13.8381,
32.9847

■ 28.3098, 14.8875,
34.8237

■ 29.4100, 16.5605,
36.8168

■ 30.8714, 18.9401,
38.9782

■ 32.7291, 22.0966,
41.3202

■ 35.0140, 26.0919,
43.8534

■ 37.7541, 30.9815,
46.5874

■ 40.9747, 36.8161,
49.5312

■ 44.6995, 43.6428,
52.6930

Harmonies

Analogous

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



21.3083, 13.2471, 60.9232



26.9850, 13.2471, 31.2717



28.2665, 13.2471, 10.2790

Triad

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



26.9850, 13.2471, 31.2717



11.0455, 13.2471, 0.0000



5.3847, 13.2471, 46.6854

Complementary

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



26.9850, 13.2471, 31.2717



18.7484, 36.9611, 7.8988

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.



4.1471, 13.2471, 19.5556



26.9850, 13.2471, 31.2717



6.6496, 13.2471, 0.8051

Square

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



26.9850, 13.2471, 31.2717



17.5810, 13.2471, 0.0440



4.5198, 13.2471, 5.0700



8.6477, 13.2471, 73.8122

Rectangle

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



26.9850, 13.2471, 31.2717



26.1663, 13.2471, 3.6951



4.5198, 13.2471, 5.0700



4.7758, 13.2471, 36.6756

Sweetspot

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



26.9855, 13.2478, 31.2719



68.1460, 55.6580, 84.1652



9.9830, 4.0732, 48.9755



14.4799, 11.3542, 18.0091



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



26.9855, 13.2478, 31.2719



48.8104, 23.9695, 56.1928



22.0562, 11.2761, 5.3150



9.8481, 9.6636, 11.5892



17.9711, 8.8196, 20.9390



0.7247, 0.3538, 0.9296

Inverse Universe

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



26.9855, 13.2478, 31.2719



48.8104, 23.9695, 56.1928



22.4327, 38.4348, 27.3003



9.8481, 9.6636, 11.5892



17.9711, 8.8196, 20.9390



0.7247, 0.3538, 0.9296

Previews

White Background



This preview shows how the XYZ color 26.9850, 13.2471, 31.2717 looks on a white background.

Color Contrast Check

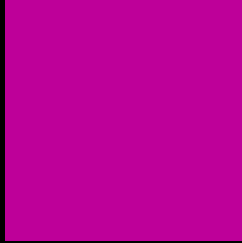
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9850, 13.2471, 31.2717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

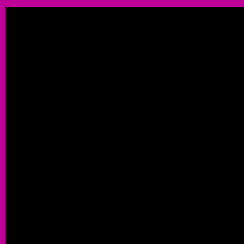
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.9850, 13.2471, 31.2717

Background



This preview shows how black text looks on a background with the XYZ color 26.9850, 13.2471, 31.2717.



This preview shows how white text looks on a background with the XYZ color 26.9850, 13.2471,

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

26.9850, 13.2471, 31.2717

Protanopia

16.6948, 13.9694, 65.4348

Deuteranopia

14.2218, 13.9590, 27.9314



Tritanopia

22.0697, 13.6692, 6.3257

Trichromacy



Original Color

26.9850, 13.2471, 31.2717



Protanomaly

13.8021, 8.7378, 50.8283



Deuteranomaly

16.1168, 10.5922, 28.7988



Tritanomaly

23.0541, 12.6699, 12.2968

Monochromacy



Original Color

26.9850, 13.2471, 31.2717



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.6672, 6.7253, 13.5679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9850, 13.2471, 31.2717 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(190, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 153)  
}
```

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(190, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 153) }
```

Border

The CSS property to change the border of an element to XYZ 26.9850, 13.2471, 31.2717 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(190, 0, 153) }
```


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

```
.border{ border-color:rgb(190, 0, 153) }
```

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

Here you see how a box with a 4 pixel rgb(190, 0, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 26.9850, 13.2471, 31.2717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 153) }
```

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

```
.background{ background-color: rgb(190, 0,  
153) }
```

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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