

Converting Colors

XYZ(26.8136, 12.9281, 41.6814)

Have a look what the booklet for
XYZ(26.8136, 12.9281, 41.6814)
contains.

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Color

**XYZ(26.7939, 12.9189,
41.6388)**

Conversions

Conversions Part 1

Format	Color
Hex	B500AF
RGB	181, 0, 175
RGB Percent	71%, 0%, 69%
CMY	0.2902, 0.9999, 0.3137
CMYK	0.00, 1.00, 0.03, 0.29
HSL	302°, 100%, 35%
HSV	302°, 100%, 71%
XYZ	26.7939, 12.9189, 41.6388
YIQ	74.0690, 51.7010, 92.7970

Conversions

Conversions Part 2

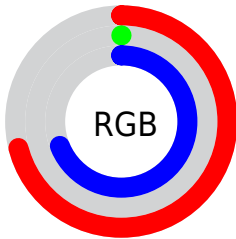
Format	Color
R_{YB}	181, 0, 175
Decimal	11862191
CIE _{Lab}	42.64, 75.08, -44.06
CIE _{LCh}	43, 87.059, 329.592
Yxy	12.9189, 0.3294, 0.1588
Android (android.graphics.Color)	4290052271 (0xFFB500AF)
YUV	74.0690, 49.7590, 93.7785
Hunter-Lab	35.9429, 70.1642, -43.5258

Details

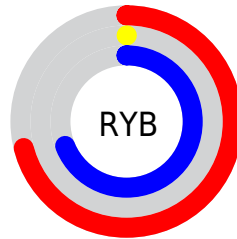
The XYZ color **26.7939, 12.9189, 41.6388** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **16.5574, 33.0615, 5.6818**, and the grayscale version is **6.4316, 6.7666, 7.3688**.

A 20% lighter version of the original color is **54.1076, 31.2867, 78.7885**, and **11.6812, 5.6161, 18.8807** is the 20% darker color. If you saturate the color by 10%, you get **26.7941, 12.9190, 41.6386**, and if you desaturate by 10%, it is **27.0716, 13.3793, 42.0229**.

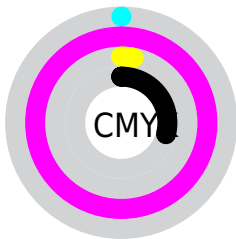
Distribution



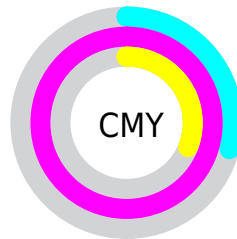
- Red (71%)
- Green (0%)
- Blue (69%)



- Red (71%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7939, 12.9189, 41.6388 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 26.7939, 12.9189, 41.6388 by changing the saturation by 10% instead.

 26.7939, 12.9189,
41.6388


 26.7939, 12.9189,
41.6388


278.8436,
210.3973, 368.7388


 17.5543, 7.3727,
28.4951


 53.9752, 31.1580,
78.9168


 10.7282, 3.6963,
18.4569


 72.6476, 44.6197,
103.8883


 5.9503, 1.5052,
11.1057


 95.1949, 61.4888,
133.6394

 2.8553, 0.2924,
6.0229

 121.9826, 82.1495,
168.5887

 1.0777, 0.0000,
2.7900

 153.3759,
106.9863, 209.1548

 0.0063, 0.0000,
0.9884

 189.7403,

 0.0000, 0.0000,

136.3836, 255.7561

0.0000

231.4411,
170.7258, 308.8113

■ 26.7939, 12.9189,
41.6388

■ 26.7939, 12.9189,
41.6388

■ 26.7941, 12.9190,
41.6386

■ 27.0716, 13.3793,
42.0229

■ 27.5503, 14.2417,
42.4753

■ 28.3065, 15.6587,
43.0214

■ 29.3769, 17.7038,
43.6736

■ 30.7927, 20.4391,
44.4422

■ 32.5812, 23.9194,
45.3363

■ 34.7670, 28.1940,
46.3642

■ 37.3727, 33.3078,
47.5333

■ 40.4190, 39.3026,
48.8507

Harmonies

Analogous

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



19.6707, 12.9189, 75.2272



26.7939, 12.9189, 41.6388



29.8380, 12.9189, 14.3267

Triad

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



26.7939, 12.9189, 41.6388



12.3695, 12.9189, 0.0000



4.2207, 12.9189, 40.7221

Complementary

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



26.7939, 12.9189, 41.6388



16.5574, 33.0615, 5.6818

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.



3.4597, 12.9189, 13.8095



26.7939, 12.9189, 41.6388



7.0188, 12.9189, 0.0000

Square

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



26.7939, 12.9189, 41.6388



19.8856, 12.9189, 0.0000



4.2651, 12.9189, 2.5258



6.9116, 12.9189, 74.4391

Rectangle

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



26.7939, 12.9189, 41.6388



28.5304, 12.9189, 5.0614



4.2651, 12.9189, 2.5258



3.7850, 12.9189, 30.1079

Sweetspot

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



26.7944, 12.9195, 41.6391



62.0473, 50.0652, 82.9358



8.3789, 3.3563, 43.9228



13.0440, 10.1033, 17.7551



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



26.7944, 12.9195, 41.6391



47.9695, 23.1303, 74.4801



20.7971, 10.5206, 10.0578



8.8376, 8.6418, 10.6433



18.4764, 8.9081, 28.7323



0.5851, 0.2818, 0.9238

Inverse Universe

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



26.7944, 12.9195, 41.6391



47.9695, 23.1303, 74.4801



18.5236, 33.8480, 16.0360



8.8376, 8.6418, 10.6433



18.4764, 8.9081, 28.7323



0.5851, 0.2818, 0.9238

Previews

White Background



This preview shows how the XYZ color 26.7939, 12.9189, 41.6388 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 26.7939, 12.9189, 41.6388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

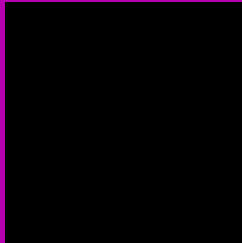
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.7939, 12.9189, 41.6388

Background



This preview shows how black text looks on a background with the XYZ color 26.7939, 12.9189, 41.6388.



This preview shows how white text looks on a background with the XYZ color 26.7939, 12.9189,

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

26.7939, 12.9189, 41.6388

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.9350, 13.6098, 37.0145



Tritanopia

19.9083, 13.2833, 7.8180

Trichromacy



Original Color

26.7939, 12.9189, 41.6388



Protanomaly

14.1023, 8.7445, 53.7679



Deuteranomaly

15.3228, 9.9748, 38.1635



Tritanomaly

21.1707, 11.9258, 15.9379

Monochromacy



Original Color

26.7939, 12.9189, 41.6388



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.6958, 6.6914, 15.7668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7939, 12.9189, 41.6388 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(181, 0, 175)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 175)  
}
```

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(181, 0, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 175) }
```

Border

The CSS property to change the border of an element to XYZ 26.7939, 12.9189, 41.6388 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(181, 0, 175) }
```


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

```
.border{ border-color:rgb(181, 0, 175) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 175);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 26.7939, 12.9189, 41.6388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 175) }
```

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

```
.background{ background-color: rgb(181, 0,  
175) }
```

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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