

Converting Colors

XYZ(26.8994, 12.3464, 69.9672)

Have a look what the booklet for
XYZ(26.8994, 12.3464, 69.9672)
contains.

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Color

**XYZ(26.8951, 12.3418,
70.0719)**

Conversions

Conversions Part 1

Format	Color
Hex	9C00DE
RGB	156, 0, 222
RGB Percent	61%, 0%, 87%
CMY	0.3882, 1.0000, 0.1294
CMYK	0.30, 1.00, 0.00, 0.13
HSL	282°, 100%, 44%
HSV	282°, 100%, 87%
XYZ	26.8951, 12.3418, 70.0719
YIQ	71.9520, 21.7140, 102.1140

Conversions

Conversions Part 2

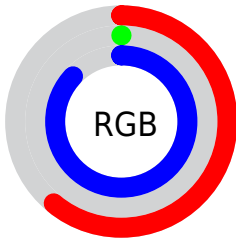
Format	Color
R_{YB}	156, 0, 222
Decimal	10223838
CIE _{Lab}	41.75, 79.32, -73.10
CIE _{LCh}	42, 107.862, 317.337
Yxy	12.3418, 0.2460, 0.1129
Android (android.graphics.Color)	4288413918 (0xFF9C00DE)
YUV	71.9520, 73.9737, 73.7101
Hunter-Lab	35.1309, 75.1749, -93.6679

Details

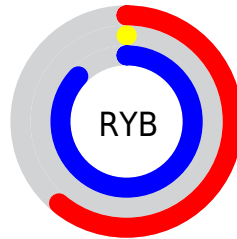
The XYZ color **26.8951, 12.3418, 70.0719** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **28.3681, 53.4010, 8.8123**, and the grayscale version is **6.0268, 6.3406, 6.9049**.

A 20% lighter version of the original color is **49.6174, 28.3159, 97.4581**, and **11.6154, 5.2034, 35.9895** is the 20% darker color. If you saturate the color by 10%, you get **26.8956, 12.3421, 70.0722**, and if you desaturate by 10%, it is **28.4987, 13.6002, 70.2305**.

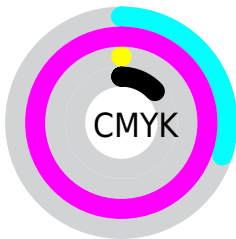
Distribution



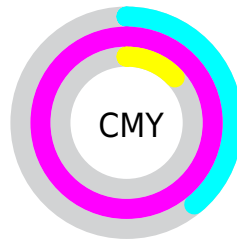
- Red (61%)
- Green (0%)
- Blue (87%)



- Red (61%)
- Yellow (0%)
- Blue (87%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)



- Cyan (39%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8951, 12.3418, 70.0719 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 26.8951, 12.3418, 70.0719 by changing the saturation by 10% instead.

■ 26.8951, 12.3418,
70.0719

■ 26.8951, 12.3418,
70.0719

279.3257,
206.6551, 479.5984

■ 17.6306, 6.9769,
51.1080

■ 54.1366, 30.1161,
120.9934

■ 10.7832, 3.4477,
35.9172

■ 72.8443, 43.2943,
153.7880

■ 5.9875, 1.3697,
24.0811

■ 95.4305, 59.8458,
192.0299

■ 2.8780, 0.1942,
15.1810

■ 122.2604, 80.1548,
236.1377

■ 1.0896, 0.0000,
8.7985

■ 153.6996,
104.6059, 286.5299

■ 0.0164, 0.0000,
4.5150

■ 190.1133,

■ 0.0000, 0.0000,

133.5834, 343.6251

1.9119

231.8669,
167.4717, 407.8417

■ 0.0000, 0.0000,
0.5003

■ 0.0000, 0.0000,
0.0000

■ 26.8951, 12.3418,
70.0719

■ 26.8951, 12.3418,
70.0719

■ 26.8956, 12.3421,
70.0722

■ 28.4987, 13.6002,
70.2305

■ 30.5063, 15.5629,
70.5036

■ 33.0283, 18.4482,
70.9276

■ 36.1274, 22.3800,
71.5231

■ 39.8563, 27.4624,
72.3076

■ 44.2617, 33.7869,
73.2962

■ 49.3850, 41.4356,
74.5025

■ 55.2646, 50.4832,
75.9389

■ 61.9358, 60.9990,
77.6171

Harmonies

Analogous

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



16.8862, 12.3418, 113.0816



26.8951, 12.3418, 70.0719



33.7831, 12.3418, 25.4642

Triad

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



26.8951, 12.3418, 70.0719



15.4007, 12.3418, 0.0000



2.3654, 12.3418, 31.1035

Complementary

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



26.8951, 12.3418, 70.0719



28.3681, 53.4010, 8.8123

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.



2.2564, 12.3418, 5.9584



26.8951, 12.3418, 70.0719



7.7482, 12.3418, 0.0000

Square

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



26.8951, 12.3418, 70.0719



25.3950, 12.3418, 0.0000



3.7110, 12.3418, 0.0000



4.1344, 12.3418, 77.9205

Rectangle

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



26.8951, 12.3418, 70.0719



34.2836, 12.3418, 8.5972



3.7110, 12.3418, 0.0000



2.1754, 12.3418, 19.8219

Sweetspot

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



26.8958, 12.3422, 70.0722



67.4324, 56.4591, 101.9514



15.1684, 9.2411, 70.0917



13.7712, 11.0875, 21.6642



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.



26.8958, 12.3422, 70.0722



36.6847, 16.8266, 95.9221



38.1202, 18.7280, 43.5153



13.8775, 13.7204, 17.3046



16.0921, 7.3911, 41.6268



1.2041, 0.5580, 2.8895

Inverse Universe

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



31.1077, 15.9230, 6.5881



42.5379, 21.7791, 8.7644



26.5836, 52.4276, 11.1411



13.8741, 13.7673, 15.1070



18.5200, 9.4750, 4.1380



1.3223, 0.6722, 0.4900

Previews

White Background



This preview shows how the XYZ color 26.8951, 12.3418, 70.0719 looks on a white background.

Color Contrast Check

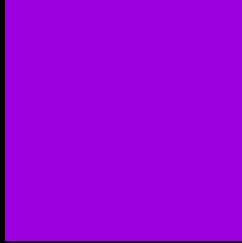
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8951, 12.3418, 70.0719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

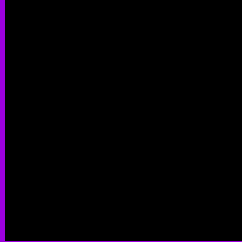
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.8951, 12.3418, 70.0719

Background



This preview shows how black text looks on a background with the XYZ color 26.8951, 12.3418, 70.0719.



This preview shows how white text looks on a background with the XYZ color 26.8951, 12.3418,

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

26.8951, 12.3418, 70.0719

Deuteranopia

12.7861, 12.8748, 43.4062

Tritanopia

15.2155, 12.6750, 12.0005

Trichromacy



Original Color

26.8951, 12.3418, 70.0719

Deuteranomaly

13.2612, 8.6165, 51.4163

Tritanomaly

17.2551, 10.3766, 25.9044

Monochromacy



Original Color

26.8951, 12.3418, 70.0719

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.4013, 6.3699, 20.7600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8951, 12.3418, 70.0719 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(156, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 222)  
}
```

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(156, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 222) }
```

Border

The CSS property to change the border of an element to XYZ 26.8951, 12.3418, 70.0719 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(156, 0, 222) }
```

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

```
.border{ border-color:rgb(156, 0, 222) }
```

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

Here you see how a box with a 4 pixel rgb(156, 0, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
222) }
```


Background

The CSS property to change the background color of an element to XYZ 26.8951, 12.3418, 70.0719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 222) }
```

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

```
.background{ background-color: rgb(156, 0,  
222) }
```

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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