

Converting Colors

XYZ(29.0899, 12.9966, 93.9039)

Have a look what the booklet for
XYZ(29.0899, 12.9966, 93.9039)
contains.

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Color

**XYZ(29.0899, 12.9966,
93.9039)**

Conversions

Conversions Part 1

Format	Color
Hex	8F03FD
RGB	143, 3, 253
RGB Percent	56%, 1%, 99%
CMY	0.4392, 0.9883, 0.0078
CMYK	0.43, 0.99, 0.00, 0.01
HSL	274°, 98%, 50%
HSV	274°, 99%, 99%
XYZ	29.0899, 12.9966, 93.9039
YIQ	73.3600, 3.1900, 107.4300

Conversions

Conversions Part 2

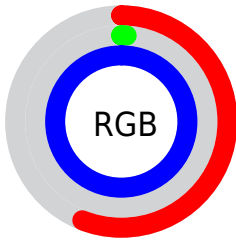
Format	Color
RYB	143, 3, 253
Decimal	9372669
CIELab	42.76, 83.69, -89.07
CIELCh	43, 122.213, 313.217
Yxy	12.9966, 0.2139, 0.0956
Android (android.graphics.Color)	4287562749 (0xFF8F03FD)
YUV	73.3600, 88.5625, 61.0743
Hunter-Lab	36.0508, 80.9453, -129.2010

Details

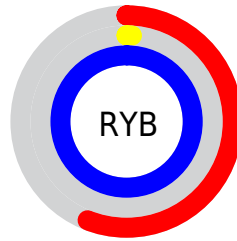
The XYZ color **29.0899, 12.9966, 93.9039** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **41.9503, 73.7673, 12.1134**, and the grayscale version is **6.2453, 6.5706, 7.1554**.

A 20% lighter version of the original color is **46.8314, 26.9974, 97.3505**, and **12.9109, 5.5179, 52.0143** is the 20% darker color. If you saturate the color by 10%, you get **28.8316, 12.8151, 93.8828**, and if you desaturate by 10%, it is **31.5043, 14.8197, 94.1289**.

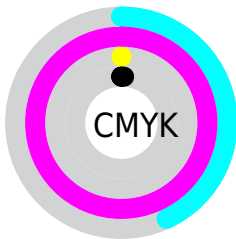
Distribution



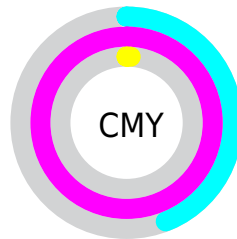
- Red (56%)
- Green (1%)
- Blue (99%)



- Red (56%)
- Yellow (1%)
- Blue (99%)



- Cyan (43%)
- Magenta (99%)
- Yellow (0%)
- Black (1%)





- Cyan (44%)
- Magenta (99%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0899, 12.9966, 93.9039 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 29.0899, 12.9966, 93.9039 by changing the saturation by 10% instead.

 29.0899, 12.9966,
93.9039

 29.0899, 12.9966,
93.9039


289.6254,
210.8959, 561.5444


 19.2935, 7.4262,
70.6312


 57.6165, 31.2977,
154.7319


 11.9878, 3.7300,
51.5613


 77.0773, 44.7971,
193.1244


 6.8075, 1.5237,
36.2757


 100.4903, 61.7084,
237.3938

 3.3873, 0.3053,
24.3558

 128.2208, 82.4159,
287.9587

 1.3617, 0.0000,
15.3831

 160.6343,
107.3040, 345.2377

 0.2287, 0.0000,
8.9391

 198.0959,

 0.0000, 0.0000,

136.7571, 409.6493

4.6052

240.9712,
171.1596, 481.6120

■ 0.0000, 0.0000,
1.9629

■ 0.0000, 0.0000,
0.5323

■ 29.0899, 12.9966,
93.9039

■ 29.0899, 12.9966,
93.9039

■ 28.8316, 12.8151,
93.8828

■ 31.5043, 14.8197,
94.1289

■ 34.6027, 17.7205,
94.5255

■ 38.5127, 21.9450,
95.1348

■ 43.3228, 27.6631,
95.9850

■ 49.1084, 35.0183,
97.0998

■ 55.9358, 44.1368,
98.5000

■ 63.8652, 55.1320,
100.2043

■ 72.9515, 68.1076,
102.2300

■ 83.2460, 83.1597,
104.5927

Harmonies

Analogous

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



16.9091, 12.9966, 145.4842



29.0899, 12.9966, 93.9039



38.6014, 12.9966, 34.6889

Triad

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



29.0899, 12.9966, 93.9039



18.2694, 12.9966, 0.0000



1.8415, 12.9966, 29.3869

Complementary

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



29.0899, 12.9966, 93.9039



41.9503, 73.7673, 12.1134

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.



1.9237, 12.9966, 3.9160



29.0899, 12.9966, 93.9039



8.6988, 12.9966, 0.0000

Square

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



29.0899, 12.9966, 93.9039



30.5053, 12.9966, 0.0000



3.7082, 12.9966, 0.0000



3.3664, 12.9966, 86.1672

Rectangle

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



29.0899, 12.9966, 93.9039



40.1906, 12.9966, 11.4675



3.7082, 12.9966, 0.0000



1.7191, 12.9966, 17.2237

Sweetspot

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



29.0907, 12.9969, 93.9043



63.9933, 54.6861, 101.7904



23.9546, 19.4861, 95.4275



12.9509, 10.6646, 21.6258



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.



29.0907, 12.9969, 93.9043



29.3445, 13.0425, 95.5786



56.3432, 27.2687, 85.1218



17.9762, 17.8795, 22.7536



15.5077, 6.9050, 49.9500



1.6355, 0.7371, 4.8693

Inverse Universe

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



43.5206, 22.1397, 17.5988



44.1753, 22.4341, 17.3872



35.2526, 70.3060, 12.1830



18.3414, 18.1199, 20.4147



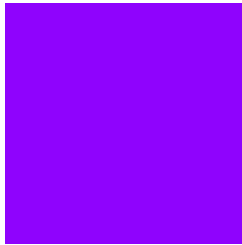
23.1547, 11.7512, 9.4649



2.3083, 1.1657, 1.2050

Previews

White Background



This preview shows how the XYZ color 29.0899, 12.9966, 93.9039 looks on a white background.

Color Contrast Check

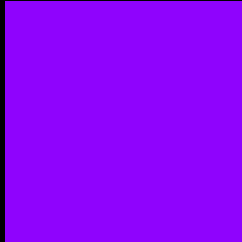
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0899, 12.9966, 93.9039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

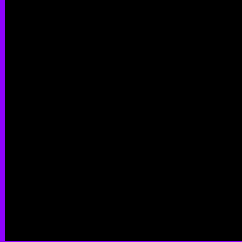
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.0899, 12.9966, 93.9039

Background



This preview shows how black text looks on a background with the XYZ color 29.0899, 12.9966, 93.9039.



This preview shows how white text looks on a background with the XYZ color 29.0899, 12.9966,

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

29.0899, 12.9966, 93.9039

Protanopia

15.7243, 13.4287, 60.7947

Deuteranopia

13.0875, 13.3175, 44.0002



Tritanopia

13.3700, 13.2155, 15.4818

Trichromacy



Original Color

29.0899, 12.9966, 93.9039



Protanomaly

16.7041, 9.7787, 71.5281



Deuteranomaly

14.5027, 9.2721, 58.7829



Tritanomaly

15.9766, 10.2349, 33.9344

Monochromacy



Original Color

29.0899, 12.9966, 93.9039



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

10.6814, 6.5456, 24.7452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0899, 12.9966, 93.9039 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(143, 3, 253)` looks like.

```
.text, #text, p{  
    color:rgb(143, 3, 253)  
}
```

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(143, 3, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 3, 253) }
```

Border

The CSS property to change the border of an element to XYZ 29.0899, 12.9966, 93.9039 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(143, 3, 253) }
```


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

```
.border{ border-color:rgb(143, 3, 253) }
```

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

Here you see how a box with a 4 pixel rgb(143, 3, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 3, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 3, 253);  
box-shadow:4px 4px 4px 4px rgb(143, 3,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0899, 12.9966, 93.9039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 3, 253) }
```

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

```
.background{ background-color: rgb(143, 3,  
253) }
```

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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