

Converting Colors

XYZ(28.1031, 12.6601, 83.8834)

Have a look what the booklet for
XYZ(28.1031, 12.6601, 83.8834)
contains.

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Color

**XYZ(28.0899, 12.6468,
84.1797)**

Conversions

Conversions Part 1

Format	Color
Hex	9400F1
RGB	148, 0, 241
RGB Percent	58%, 0%, 95%
CMY	0.4196, 1.0000, 0.0549
CMYK	0.39, 1.00, 0.00, 0.05
HSL	277°, 100%, 47%
HSV	277°, 100%, 95%
XYZ	28.0899, 12.6468, 84.1797
YIQ	71.7260, 10.8470, 106.3270

Conversions

Conversions Part 2

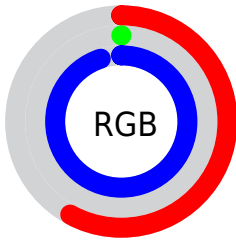
Format	Color
R _Y B	148, 0, 241
Decimal	9699569
CIE Lab	42.23, 82.07, -83.17
CIE LCh	42, 116.848, 314.620
Yxy	12.6468, 0.2249, 0.1012
Android (android.graphics.Color)	4287889649 (0xFF9400F1)
YUV	71.7260, 83.4521, 66.8923
Hunter-Lab	35.5623, 78.7591, -115.4519

Details

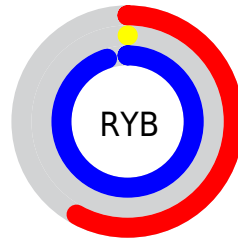
The XYZ color **28.0899, 12.6468, 84.1797** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **35.9694, 65.2379, 10.6964**, and the grayscale version is **5.9742, 6.2853, 6.8447**.

A 20% lighter version of the original color is **47.5930, 27.2723, 97.3634**, and **12.2936, 5.3502, 45.1845** is the 20% darker color. If you saturate the color by 10%, you get **28.0906, 12.6471, 84.1800**, and if you desaturate by 10%, it is **30.1699, 14.2070, 84.3715**.

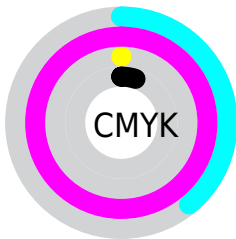
Distribution



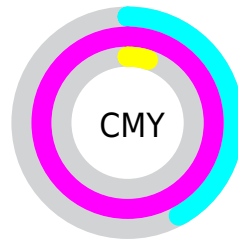
- Red (58%)
- Green (0%)
- Blue (95%)



- Red (58%)
- Yellow (0%)
- Blue (95%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (42%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0899, 12.6468, 84.1797 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 28.0899, 12.6468, 84.1797 by changing the saturation by 10% instead.


 28.0899, 12.6468,
84.1797


 28.0899, 12.6468,
84.1797


284.9685,
208.6415, 528.9834


 18.5342, 7.1858,
62.6176


 56.0356, 30.6678,
141.0905


 11.4362, 3.5786,
45.0929


 75.1563, 43.9965,
177.2762


 6.4305, 1.4407,
31.1871


 98.1961, 60.7166,
219.1736

 3.1517, 0.2465,
20.4817

 125.5203, 81.2125,
267.2011

 1.2345, 0.0000,
12.5581

 157.4943,
105.8685, 321.7773

 0.1333, 0.0000,
6.9979

 194.4835,

 0.0000, 0.0000,

135.0691, 383.3207

3.3823

236.8531,
169.1986, 452.2499

■ 0.0000, 0.0000,
1.2930

■ 0.0000, 0.0000,
0.0561

■ 28.0899, 12.6468,
84.1797

■ 28.0899, 12.6468,
84.1797

■ 28.0906, 12.6471,
84.1800

■ 30.1699, 14.2070,
84.3715

■ 32.7951, 16.6536,
84.7054

■ 36.0966, 20.2434,
85.2243

■ 40.1533, 25.1295,
85.9536

■ 45.0314, 31.4405,
86.9147

■ 50.7894, 39.2893,
88.1261

■ 57.4797, 48.7770,
89.6048

■ 65.1505, 59.9960,
91.3660

■ 73.8463, 73.0314,
93.4238

Harmonies

Analogous

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



16.7755, 12.6468, 132.3688



28.0899, 12.6468, 84.1797



36.5625, 12.6468, 30.8651

Triad

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



28.0899, 12.6468, 84.1797



17.0458, 12.6468, 0.0000



1.9944, 12.6468, 29.8209

Complementary

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



28.0899, 12.6468, 84.1797



35.9694, 65.2379, 10.6964

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.



2.0119, 12.6468, 4.5491



28.0899, 12.6468, 84.1797



8.2613, 12.6468, 0.0000

Square

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



28.0899, 12.6468, 84.1797



28.3684, 12.6468, 0.0000



3.6638, 12.6468, 0.0000



3.5928, 12.6468, 82.6794

Rectangle

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



28.0899, 12.6468, 84.1797



37.7223, 12.6468, 10.2493



3.6638, 12.6468, 0.0000



1.8504, 12.6468, 18.0172

Sweetspot

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



28.0907, 12.6472, 84.1800



65.2714, 55.3450, 101.8502



20.0968, 14.7899, 85.0150



13.2547, 10.8212, 21.6401



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.



28.0907, 12.6472, 84.1800



31.8769, 14.3480, 95.6971



48.7872, 23.7054, 67.5820



15.8293, 15.7092, 19.9195



15.3881, 6.9383, 45.6560



1.3910, 0.6343, 3.8033

Inverse Universe

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



38.2515, 19.4911, 12.1014



43.4635, 22.1494, 13.6388



31.6214, 62.9772, 11.3589



16.0253, 15.8598, 17.6892



20.8039, 10.5940, 6.8839



1.7779, 0.9002, 0.8214

Previews

White Background



This preview shows how the XYZ color 28.0899, 12.6468, 84.1797 looks on a white background.

Color Contrast Check

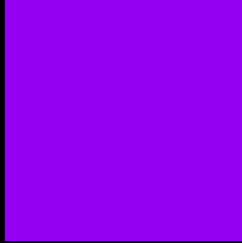
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0899, 12.6468, 84.1797 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 28.0899, 12.6468, 84.1797

Background



This preview shows how black text looks on a background with the XYZ color 28.0899, 12.6468, 84.1797.



This preview shows how white text looks on a background with the XYZ color 28.0899, 12.6468,

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

28.0899, 12.6468, 84.1797

Protanopia

15.3871, 13.1431, 59.4835

Deuteranopia

12.8861, 13.0750, 43.4395



Tritanopia

14.0974, 12.9381, 14.0662

Trichromacy



Original Color

28.0899, 12.6468, 84.1797



Protanomaly

15.8988, 9.2915, 67.2851



Deuteranomaly

13.8949, 8.8508, 55.6196



Tritanomaly

16.4893, 10.2445, 30.8141

Monochromacy



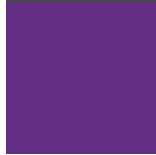
Original Color

28.0899, 12.6468, 84.1797



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.4662, 6.3568, 22.8657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0899, 12.6468, 84.1797 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(148, 0, 241)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 241)  
}
```

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(148, 0, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 241) }
```

Border

The CSS property to change the border of an element to XYZ 28.0899, 12.6468, 84.1797 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(148, 0, 241) }
```


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

```
.border{ border-color:rgb(148, 0, 241) }
```

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

Here you see how a box with a 4 pixel rgb(148, 0, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 241);  
box-shadow:4px 4px 4px 4px rgb(148, 0,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0899, 12.6468, 84.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 241) }
```

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

```
.background{ background-color: rgb(148, 0,  
241) }
```

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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