

Converting Colors

XYZ(27.0246, 12.1633, 81.1591)

Have a look what the booklet for
XYZ(27.0246, 12.1633, 81.1591)
contains.

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Color

**XYZ(26.9631, 12.1342,
81.0418)**

Conversions

Conversions Part 1

Format	Color
Hex	9100ED
RGB	145, 0, 237
RGB Percent	57%, 0%, 93%
CMY	0.4314, 1.0000, 0.0706
CMYK	0.39, 1.00, 0.00, 0.07
HSL	277°, 100%, 46%
HSV	277°, 100%, 93%
XYZ	26.9631, 12.1342, 81.0418
YIQ	70.3730, 10.3430, 104.4470

Conversions

Conversions Part 2

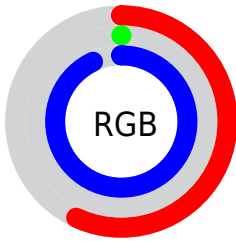
Format	Color
RYB	145, 0, 237
Decimal	9502957
CIELab	41.43, 81.00, -82.24
CIELCh	41, 115.426, 314.565
Yxy	12.1342, 0.2244, 0.1010
Android (android.graphics.Color)	4287693037 (0xFF9100ED)
YUV	70.3730, 82.1471, 65.4479
Hunter-Lab	34.8342, 77.2066, -113.5544

Details

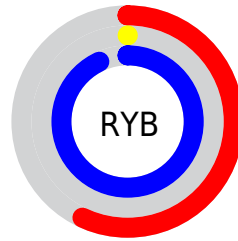
The XYZ color **26.9631, 12.1342, 81.0418** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **34.6977, 62.8438, 10.3013**, and the grayscale version is **5.7505, 6.0499, 6.5884**.

A 20% lighter version of the original color is **46.6739, 26.6825, 97.2980**, and **11.7179, 5.0891, 43.5447** is the 20% darker color. If you saturate the color by 10%, you get **26.9638, 12.1345, 81.0421**, and if you desaturate by 10%, it is **28.9718, 13.6454, 81.2279**.

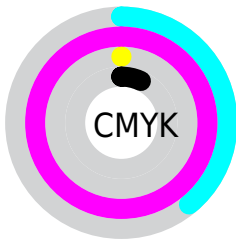
Distribution



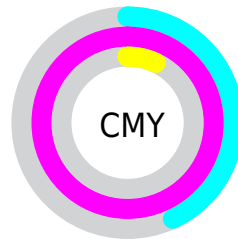
- Red (57%)
- Green (0%)
- Blue (93%)



- Red (57%)
- Yellow (0%)
- Blue (93%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



- Cyan (43%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9631, 12.1342, 81.0418 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 26.9631, 12.1342, 81.0418 by changing the saturation by 10% instead.

■ 26.9631, 12.1342,
81.0418

■ 26.9631, 12.1342,
81.0418

279.6492,
205.2917, 518.2359

■ 17.6820, 6.8351,
60.0448

■ 54.2450, 29.7393,
136.6541

■ 10.8202, 3.3592,
43.0292

■ 72.9764, 42.8141,
172.1064

■ 6.0125, 1.3220,
29.5765

■ 95.5886, 59.2496,
213.2143

■ 2.8934, 0.1582,
19.2680

■ 122.4470, 79.4303,
260.3963

■ 1.0976, 0.0000,
11.6853

■ 153.9169,
103.7404, 314.0709

■ 0.0231, 0.0000,
6.4099

■ 190.3637,

■ 0.0000, 0.0000,

132.5644, 374.6567

3.0231

232.1526,
166.2867, 442.5722

■ 0.0000, 0.0000,
1.1064

■ 0.0000, 0.0000,
0.0000

■ 26.9631, 12.1342,
81.0418

■ 26.9631, 12.1342,
81.0418

■ 26.9638, 12.1345,
81.0421

■ 28.9718, 13.6454,
81.2279

■ 31.5057, 16.0088,
81.5506

■ 34.6917, 19.4728,
82.0512

■ 38.6052, 24.1841,
82.7543

■ 43.3101, 30.2662,
83.6804

■ 48.8624, 37.8275,
84.8472

■ 55.3126, 46.9648,
86.2709

■ 62.7069, 57.7670,
87.9662

■ 71.0880, 70.3160,
89.9467

Harmonies

Analogous

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



16.0849, 12.1342, 127.3677



26.9631, 12.1342, 81.0418



35.1227, 12.1342, 29.7193

Triad

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



26.9631, 12.1342, 81.0418



16.3820, 12.1342, 0.0000



1.9051, 12.1342, 28.5714

Complementary

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



26.9631, 12.1342, 81.0418



34.6977, 62.8438, 10.3013

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.



1.9243, 12.1342, 4.3355



26.9631, 12.1342, 81.0418



7.9330, 12.1342, 0.0000

Square

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



26.9631, 12.1342, 81.0418



27.2693, 12.1342, 0.0000



3.5123, 12.1342, 0.0000



3.4345, 12.1342, 79.3914

Rectangle

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



26.9631, 12.1342, 81.0418



36.2495, 12.1342, 9.8651



3.5123, 12.1342, 0.0000



1.7679, 12.1342, 17.2415

Sweetspot

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



26.9638, 12.1345, 81.0421



65.2165, 55.3167, 101.8477



19.3604, 14.2630, 81.8537



13.2417, 10.8145, 21.6394



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.



26.9638, 12.1345, 81.0421



31.7634, 14.2895, 95.6918



46.9736, 22.8240, 65.0806



15.1159, 15.0050, 19.0218



14.8724, 6.7030, 44.2529



1.2750, 0.5816, 3.4799

Inverse Universe

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



36.8568, 18.7773, 11.8064



43.4914, 22.1605, 13.7855



30.4461, 60.6333, 10.9466



15.3075, 15.1509, 16.9047



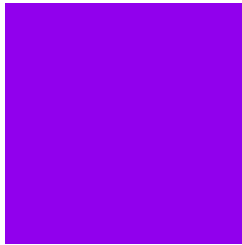
20.1821, 10.2755, 6.7602



1.6307, 0.8252, 0.7725

Previews

White Background



This preview shows how the XYZ color 26.9631, 12.1342, 81.0418 looks on a white background.

Color Contrast Check

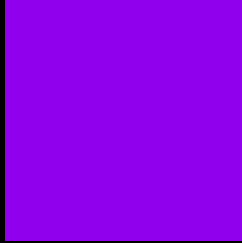
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9631, 12.1342, 81.0418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

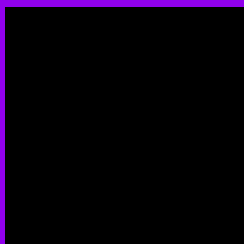
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.9631, 12.1342, 81.0418

Background



This preview shows how black text looks on a background with the XYZ color 26.9631, 12.1342, 81.0418.



This preview shows how white text looks on a background with the XYZ color 26.9631, 12.1342,

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

26.9631, 12.1342, 81.0418

Protanopia

14.8435, 12.6300, 57.5326

Deuteranopia

12.3914, 12.5587, 41.8154



Tritanopia

13.5507, 12.5307, 13.7611

Trichromacy



Original Color

26.9631, 12.1342, 81.0418



Protanomaly

15.4027, 9.0007, 65.2155



Deuteranomaly

13.4365, 8.5687, 53.7691



Tritanomaly

15.8214, 9.8420, 29.9200

Monochromacy



Original Color

26.9631, 12.1342, 81.0418



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.9649, 6.0569, 22.1166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9631, 12.1342, 81.0418 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(145, 0, 237)` looks like.

```
.text, #text, p{  
  color:rgb(145, 0, 237)  
}
```

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(145, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 26.9631, 12.1342, 81.0418 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(145, 0, 237) }
```


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

```
.border{ border-color:rgb(145, 0, 237) }
```

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

Here you see how a box with a 4 pixel rgb(145, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(145, 0,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 26.9631, 12.1342, 81.0418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 237) }
```

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

```
.background{ background-color: rgb(145, 0,  
237) }
```

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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