

Converting Colors

XYZ(27.3003, 12.7044, 78.8596)

Have a look what the booklet for
XYZ(27.3003, 12.7044, 78.8596)
contains.

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Color

**XYZ(27.2969, 12.7022,
78.8550)**

Conversions

Conversions Part 1

Format	Color
Hex	9413EA
RGB	148, 19, 234
RGB Percent	58%, 7%, 92%
CMY	0.4196, 0.9255, 0.0824
CMYK	0.37, 0.92, 0.00, 0.08
HSL	276°, 85%, 50%
HSV	276°, 92%, 92%
XYZ	27.2969, 12.7022, 78.8550
YIQ	82.0810, 7.8690, 94.2130

Conversions

Conversions Part 2

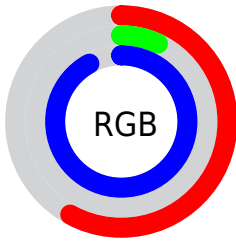
Format	Color
RYB	148, 19, 234
Decimal	9704426
CIELab	42.31, 78.54, -79.07
CIELCh	42, 111.450, 314.809
Yxy	12.7022, 0.2297, 0.1069
Android (android.graphics.Color)	4287894506 (0xFF9413EA)
YUV	82.0810, 74.8961, 57.8110
Hunter-Lab	35.6401, 74.3435, -106.2330

Details

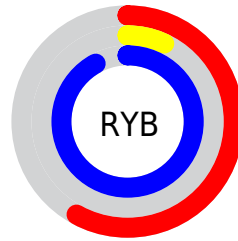
The XYZ color **27.2969, 12.7022, 78.8550** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **35.3661, 61.8961, 10.6993**, and the grayscale version is **7.8907, 8.3017, 9.0405**.

A 20% lighter version of the original color is **48.0007, 28.0876, 97.4993**, and **11.7736, 5.1528, 41.9690** is the 20% darker color. If you saturate the color by 10%, you get **25.7346, 11.5511, 78.7154**, and if you desaturate by 10%, it is **29.6693, 14.8298, 79.1409**.

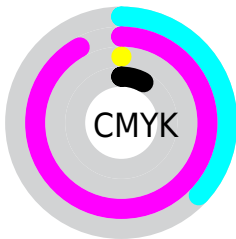
Distribution



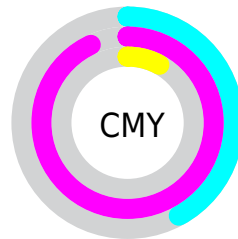
- Red (58%)
- Green (7%)
- Blue (92%)



- Red (58%)
- Yellow (7%)
- Blue (92%)



- Cyan (37%)
- Magenta (92%)
- Yellow (0%)
- Black (8%)





- Cyan (42%)
- Magenta (93%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2969, 12.7022, 78.8550 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 27.2969, 12.7022, 78.8550 by changing the saturation by 10% instead.

 27.2969, 12.7022,
78.8550


 27.2969, 12.7022,
78.8550


281.2332,
209.0002, 510.6703


 17.9341, 7.2238,
58.2560


 54.7765, 30.7677,
133.5515

 11.0021, 3.6025,
41.5984


 73.6239, 44.1236,
168.4861


 6.1355, 1.4538,
28.4638


 96.3636, 60.8742,
209.0363

 2.9691, 0.2558,
18.4335

 123.3609, 81.4038,
255.6207

 1.1374, 0.0000,
11.0890

 154.9811,
106.0968, 308.6577

 0.0561, 0.0000,
6.0118

 191.5897,

 0.0000, 0.0000,

135.3376, 368.5660

2.7833

233.5519,
169.5106, 435.7640

■ 0.0000, 0.0000,
0.9851

■ 0.0000, 0.0000,
0.0000

■ 27.2969, 12.7022,
78.8550

■ 27.2969, 12.7022,
78.8550

■ 25.7346, 11.5511,
78.7154

■ 29.6693, 14.8298,
79.1409

■ 32.6659, 17.9992,
79.5947

■ 36.3638, 22.3587,
80.2413

■ 40.8267, 28.0316,
81.1011

■ 46.1104, 35.1253,
82.1918

■ 52.2651, 43.7357,
83.5294

■ 59.3363, 53.9503,
85.1283

■ 67.3663, 65.8498,
87.0019

■ 76.3947, 79.5093,
89.1626

Harmonies

Analogous

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



16.6608, 12.7022, 122.9810



27.2969, 12.7022, 78.8550



35.1507, 12.7022, 29.7233

Triad

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



27.2969, 12.7022, 78.8550



16.7894, 12.7022, 0.0000



2.2513, 12.7022, 29.2324

Complementary

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



27.2969, 12.7022, 78.8550



35.3661, 61.8961, 10.6993

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.



2.2603, 12.7022, 4.9400



27.2969, 12.7022, 78.8550



8.4158, 12.7022, 0.0000

Square

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



27.2969, 12.7022, 78.8550



27.4276, 12.7022, 0.0000



3.9232, 12.7022, 0.0000



3.8875, 12.7022, 78.1646

Rectangle

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



27.2969, 12.7022, 78.8550



36.1898, 12.7022, 10.3219



3.9232, 12.7022, 0.0000



2.0992, 12.7022, 18.0559

Sweetspot

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



27.2976, 12.7026, 78.8553



66.6100, 57.5751, 102.2101



20.1717, 16.1824, 79.9026



13.4958, 11.2346, 21.7071



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.



27.2976, 12.7026, 78.8553



31.1874, 13.9926, 95.6648



46.1117, 22.7371, 64.5773



15.0981, 14.9959, 19.0210



14.6071, 6.5662, 44.2405



1.2551, 0.5713, 3.4790

Inverse Universe

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



36.7145, 18.9782, 15.0924



43.6381, 22.2192, 14.5583



30.0831, 59.1410, 11.8823



15.3151, 15.1539, 16.9445



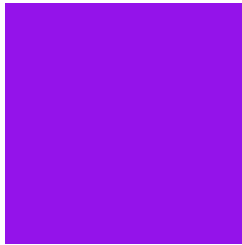
20.2512, 10.3032, 7.1240



1.6366, 0.8276, 0.8035

Previews

White Background



This preview shows how the XYZ color 27.2969, 12.7022, 78.8550 looks on a white background.

Color Contrast Check

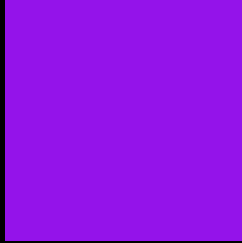
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2969, 12.7022, 78.8550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

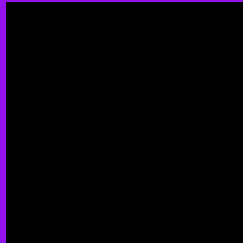
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.2969, 12.7022, 78.8550

Background



This preview shows how black text looks on a background with the XYZ color 27.2969, 12.7022, 78.8550.



This preview shows how white text looks on a background with the XYZ color 27.2969, 12.7022,

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

27.2969, 12.7022, 78.8550

Protanopia

15.1738, 12.9090, 58.8187

Deuteranopia

12.6867, 12.8351, 42.8831



Tritanopia

14.1534, 12.7120, 13.7643

Trichromacy



Original Color

27.2969, 12.7022, 78.8550



Protanomaly

15.9152, 9.9468, 65.3711



Deuteranomaly

13.9167, 9.4502, 53.9139



Tritanomaly

16.6752, 10.7758, 29.6348

Monochromacy



Original Color

27.2969, 12.7022, 78.8550



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

12.0232, 7.9982, 24.5770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2969, 12.7022, 78.8550 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, 19, 234)` looks like.

```
.text, #text, p{  
    color:rgb(148, 19, 234)  
}
```

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, 19, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 19, 234) }
```

Border

The CSS property to change the border of an element to XYZ 27.2969, 12.7022, 78.8550 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, 19, 234) }
```


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

```
.border{ border-color:rgb(148, 19, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 19, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 19, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 19, 234);  
box-shadow:4px 4px 4px 4px rgb(148, 19,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2969, 12.7022, 78.8550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 19, 234) }
```

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

```
.background{ background-color: rgb(148, 19,  
234) }
```

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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