

Converting Colors

XYZ(27.2919, 13.0648, 79.6817)

Have a look what the booklet for
XYZ(27.2919, 13.0648, 79.6817)
contains.

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Color

**XYZ(27.3394, 13.0891,
79.6828)**

Conversions

Conversions Part 1

Format	Color
Hex	921FEB
RGB	146, 31, 235
RGB Percent	57%, 12%, 92%
CMY	0.4274, 0.8784, 0.0784
CMYK	0.38, 0.87, 0.00, 0.08
HSL	274°, 84%, 52%
HSV	274°, 87%, 92%
XYZ	27.3394, 13.0891, 79.6828
YIQ	88.6410, 3.0560, 87.8240

Conversions

Conversions Part 2

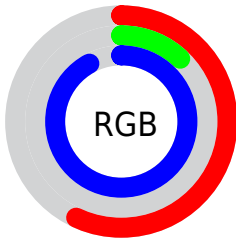
Format	Color
R _Y B	146, 31, 235
Decimal	9576427
CIE Lab	42.90, 76.19, -78.68
CIE LCh	43, 109.526, 314.076
Yxy	13.0891, 0.2276, 0.1090
Android (android.graphics.Color)	4287766507 (0xFF921FEB)
YUV	88.6410, 72.1550, 50.3038
Hunter-Lab	36.1789, 71.5747, -105.2592

Details

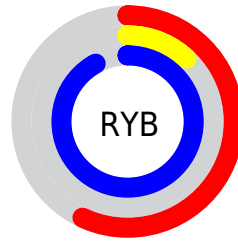
The XYZ color **27.3394, 13.0891, 79.6828** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **37.7011, 63.5087, 11.5677**, and the grayscale version is **9.2629, 9.7453, 10.6126**.

A 20% lighter version of the original color is **47.8743, 28.6698, 97.6183**, and **11.6920, 5.0992, 42.4875** is the 20% darker color. If you saturate the color by 10%, you get **25.1899, 11.3745, 79.4654**, and if you desaturate by 10%, it is **30.0979, 15.7768, 80.0565**.

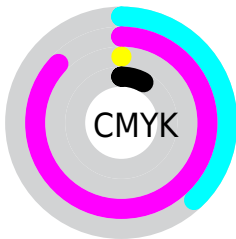
Distribution



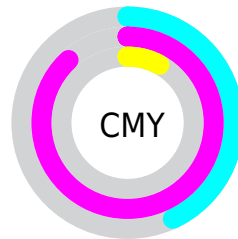
- Red (57%)
- Green (12%)
- Blue (92%)



- Red (57%)
- Yellow (12%)
- Blue (92%)



- Cyan (38%)
- Magenta (87%)
- Yellow (0%)
- Black (8%)





- Cyan (43%)
- Magenta (88%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3394, 13.0891, 79.6828 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 27.3394, 13.0891, 79.6828 by changing the saturation by 10% instead.

 27.3394, 13.0891,
79.6828

 27.3394, 13.0891,
79.6828


281.4344,
211.4879, 513.5418


 17.9662, 7.4899,
58.9327


 54.8441, 31.4638,
134.7270


 11.0253, 3.7703,
42.1393


 73.7062, 45.0080,
169.8583


 6.1512, 1.5459,
28.8840


 96.4621, 61.9695,
210.6204

 2.9788, 0.3207,
18.7483

 123.4770, 82.7325,
257.4318

 1.1426, 0.0000,
11.3136

 155.1164,
107.6814, 310.7111

 0.0603, 0.0000,
6.1613

 191.7455,

 0.0000, 0.0000,

137.2007, 370.8768

2.8731

233.7297,
171.6747, 438.3475

■ 0.0000, 0.0000,
1.0302

■ 0.0000, 0.0000,
0.0000

■ 27.3394, 13.0891,
79.6828

■ 27.3394, 13.0891,
79.6828

■ 25.1899, 11.3745,
79.4654

■ 30.0979, 15.7768,
80.0565

■ 24.5863, 10.9425,
79.4139

■ 33.5524, 19.6090,
80.6141

■ 37.7747, 24.7220,
81.3785

■ 42.8256, 31.2318,
82.3688

■ 48.7592, 39.2413,
83.6020

■ 55.6247, 48.8433,
85.0936

■ 63.4671, 60.1228,
86.8574

■ 72.3285, 73.1588,
88.9065

■ 82.2483, 88.0252,
91.2532

Harmonies

Analogous

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



16.7824, 13.0891, 122.0977



27.3394, 13.0891, 79.6828



35.2374, 13.0891, 31.0168

Triad

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



27.3394, 13.0891, 79.6828



17.4020, 13.0891, 0.0000



2.4465, 13.0891, 28.6672

Complementary

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



27.3394, 13.0891, 79.6828



37.7011, 63.5087, 11.5677

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.



2.4923, 13.0891, 4.9745



27.3394, 13.0891, 79.6828



8.9211, 13.0891, 0.0000

Square

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



27.3394, 13.0891, 79.6828



27.9645, 13.0891, 0.0000



4.2652, 13.0891, 0.0000



4.0879, 13.0891, 76.4169

Rectangle

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



27.3394, 13.0891, 79.6828



36.4054, 13.0891, 11.2186



4.2652, 13.0891, 0.0000



2.2998, 13.0891, 17.7877

Sweetspot

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



27.3402, 13.0895, 79.6831



67.5710, 59.6673, 102.5633



22.6188, 20.4059, 81.3442



13.8135, 11.8522, 21.8096



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.



27.3402, 13.0895, 79.6831



29.5087, 13.1272, 95.5863



48.3145, 24.0676, 73.1906



15.0438, 14.9678, 19.0184



13.8325, 6.1669, 44.2042



1.1963, 0.5410, 3.4762

Inverse Universe

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



38.1411, 19.9982, 19.6181



44.1228, 22.4131, 17.1106



30.6773, 59.8697, 12.0553



15.3384, 15.1632, 17.0672



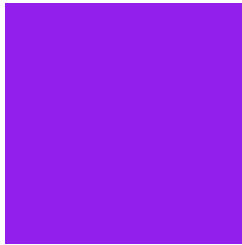
20.4785, 10.3941, 8.3211



1.6556, 0.8352, 0.9037

Previews

White Background



This preview shows how the XYZ color 27.3394, 13.0891, 79.6828 looks on a white background.

Color Contrast Check

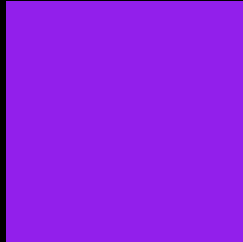
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3394, 13.0891, 79.6828 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 27.3394, 13.0891, 79.6828

Background



This preview shows how black text looks on a background with the XYZ color 27.3394, 13.0891, 79.6828.



This preview shows how white text looks on a background with the XYZ color 27.3394, 13.0891,

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

27.3394, 13.0891, 79.6828

Protanopia

15.6302, 13.2404, 60.7633

Deuteranopia

12.9862, 13.1150, 43.9665



Tritanopia

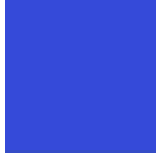
14.0982, 13.0657, 14.3492

Trichromacy



Original Color

27.3394, 13.0891, 79.6828



Protanomaly

16.4414, 10.6642, 66.8375



Deuteranomaly

14.4309, 10.1882, 55.2388



Tritanomaly

16.8756, 11.5039, 30.1852

Monochromacy



Original Color

27.3394, 13.0891, 79.6828



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

13.3800, 9.4022, 26.7008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3394, 13.0891, 79.6828 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(146, 31, 235)` looks like.

```
.text, #text, p{  
    color:rgb(146, 31, 235)  
}
```

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(146, 31, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 31, 235) }
```

Border

The CSS property to change the border of an element to XYZ 27.3394, 13.0891, 79.6828 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(146, 31, 235) }
```


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

```
.border{ border-color:rgb(146, 31, 235) }
```

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

Here you see how a box with a 4 pixel rgb(146, 31, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 31, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 31, 235);  
box-shadow:4px 4px 4px 4px rgb(146, 31,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3394, 13.0891, 79.6828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 31, 235) }
```

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

```
.background{ background-color: rgb(146, 31,  
235) }
```

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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