

Converting Colors

XYZ(27.7939, 13.0930, 95.6694)

Have a look what the booklet for
XYZ(27.7939, 13.0930, 95.6694)
contains.

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Color

**XYZ(27.8279, 13.1099,
95.6715)**

Conversions

Conversions Part 1

Format	Color
Hex	8222FF
RGB	130, 34, 255
RGB Percent	51%, 13%, 100%
CMY	0.4902, 0.8667, 0.0000
CMYK	0.49, 0.87, 0.00, 0.00
HSL	266°, 100%, 57%
HSV	266°, 87%, 100%
XYZ	27.8279, 13.1099, 95.6715
YIQ	87.8980, -13.7250, 89.0830

Conversions

Conversions Part 2

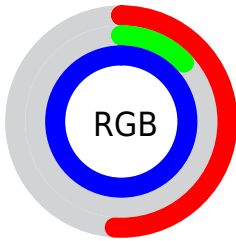
Format	Color
R_{YB}	130, 34, 255
Decimal	8528639
CIE _{Lab}	42.93, 78.01, -89.96
CIE _{LCh}	43, 119.071, 310.930
Yxy	13.1099, 0.2037, 0.0960
Android (android.graphics.Color)	4286718719 (0xFF8222FF)
YUV	87.8980, 82.3813, 36.9235
Hunter-Lab	36.2076, 73.8256, -131.3169

Details

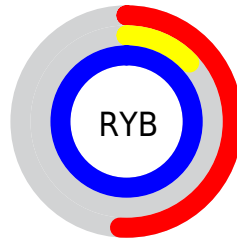
The XYZ color **27.8279, 13.1099, 95.6715** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **50.3453, 79.0057, 14.1094**, and the grayscale version is **9.0827, 9.5558, 10.4062**.

A 20% lighter version of the original color is **44.2252, 26.9232, 97.4735**, and **11.9415, 4.9919, 53.1575** is the 20% darker color. If you saturate the color by 10%, you get **25.2894, 11.0890, 95.4152**, and if you desaturate by 10%, it is **31.2161, 16.3672, 96.1217**.

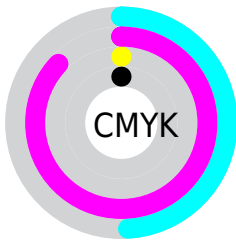
Distribution



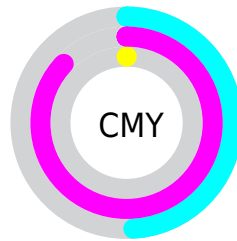
- Red (51%)
- Green (13%)
- Blue (100%)



- Red (51%)
- Yellow (13%)
- Blue (100%)



- Cyan (49%)
- Magenta (87%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (87%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8279, 13.1099, 95.6715 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 27.8279, 13.1099, 95.6715 by changing the saturation by 10% instead.


 27.8279, 13.1099,
95.6715


 27.8279, 13.1099,
95.6715

283.7387,
211.6208, 567.3516


 18.3358, 7.5043,
72.0940


 55.6201, 31.5011,
157.1955

 11.2925, 3.7794,
52.7482


 74.6509, 45.0554,
195.9792


 6.3326, 1.5510,
37.2154


 97.5920, 62.0281,
240.6686

 3.0910, 0.3242,
25.0772

 124.8087, 82.8036,
291.6824

 1.2020, 0.0000,
15.9151

 156.6663,
107.7662, 349.4390

 0.1080, 0.0000,
9.3104

 193.5303,

 0.0000, 0.0000,

137.3003, 414.3571

4.8446

235.7660,
171.7904, 486.8551

■ 0.0000, 0.0000,
2.0992

■ 0.0000, 0.0000,
0.6153

■ 27.8279, 13.1099,
95.6715

■ 27.8279, 13.1099,
95.6715

■ 25.2894, 11.0890,
95.4152

■ 31.2161, 16.3672,
96.1217

■ 24.5775, 10.5850,
95.3555

■ 35.5667, 21.0723,
96.8005

■ 40.9737, 27.3949,
97.7359

■ 47.5177, 35.4804,
98.9517

■ 55.2708, 45.4570,
100.4687

■ 64.2984, 57.4410,
102.3061

■ 74.6608, 71.5389,
104.4811

■ 86.4142, 87.8495,
107.0099

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



16.0874, 13.1099, 142.0015



27.8279, 13.1099, 95.6715



37.4443, 13.1099, 37.7512

Triad

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



27.8279, 13.1099, 95.6715



19.1076, 13.1099, 0.0000



1.9591, 13.1099, 26.0618

Complementary

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



27.8279, 13.1099, 95.6715



50.3453, 79.0057, 14.1094

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.



2.1527, 13.1099, 3.3545



27.8279, 13.1099, 95.6715



9.4244, 13.1099, 0.0000

Square

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



27.8279, 13.1099, 95.6715



30.9425, 13.1099, 0.0000



4.1449, 13.1099, 0.0000



3.3566, 13.1099, 78.8591

Rectangle

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



27.8279, 13.1099, 95.6715



39.4778, 13.1099, 13.4751



4.1449, 13.1099, 0.0000



1.8686, 13.1099, 15.1048

Sweetspot

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



27.8287, 13.1102, 95.6715



64.9478, 58.3150, 102.4405



31.1478, 32.4363, 99.2269



13.1939, 11.5328, 21.7806



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.



27.8287, 13.1102, 95.6715



24.5775, 10.5850, 95.3555



54.6477, 26.9359, 96.9266



17.7516, 17.7637, 22.7431



13.0061, 5.6154, 49.8330



1.3889, 0.6099, 4.8578

Inverse Universe

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



48.0693, 24.9069, 35.0715



46.2911, 23.2805, 28.5289



37.3024, 72.2818, 13.4990



18.4398, 18.1592, 20.9329



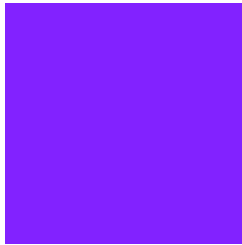
24.2645, 12.1951, 15.3092



2.4174, 1.2093, 1.7796

Previews

White Background



This preview shows how the XYZ color 27.8279, 13.1099, 95.6715 looks on a white background.

Color Contrast Check

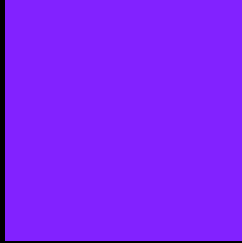
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8279, 13.1099, 95.6715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

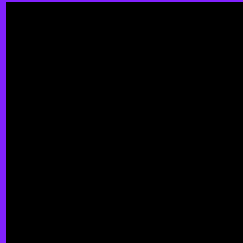
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8279, 13.1099, 95.6715

Background



This preview shows how black text looks on a background with the XYZ color 27.8279, 13.1099, 95.6715.



This preview shows how white text looks on a background with the XYZ color 27.8279, 13.1099,

95.6715.

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

27.8279, 13.1099, 95.6715

Protanopia

15.5083, 13.1916, 60.1214

Deuteranopia

12.7868, 13.0352, 42.9164



Tritanopia

12.0339, 13.0723, 16.9279

Trichromacy



Original Color

27.8279, 13.1099, 95.6715



Protanomaly

17.1429, 11.0183, 71.7442



Deuteranomaly

14.9877, 10.6041, 59.0145



Tritanomaly

15.1609, 11.0964, 35.9931

Monochromacy



Original Color

27.8279, 13.1099, 95.6715



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

13.0855, 9.1877, 29.5175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8279, 13.1099, 95.6715 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(130, 34, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 34, 255)  
}
```

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(130, 34, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 34, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.8279, 13.1099, 95.6715 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(130, 34, 255) }
```


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

```
.border{ border-color:rgb(130, 34, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 34, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 34, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 34, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 34,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8279, 13.1099, 95.6715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 34, 255) }
```

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

```
.background{ background-color: rgb(130, 34,  
255) }
```

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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