

Converting Colors

XYZ(28.8691, 18.9513, 79.2960)

Have a look what the booklet for
XYZ(28.8691, 18.9513, 79.2960)
contains.

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Color

**XYZ(28.9389, 19.0303,
79.2388)**

Conversions

Conversions Part 1

Format	Color
Hex	895DE9
RGB	137, 93, 233
RGB Percent	54%, 36%, 91%
CMY	0.4627, 0.6353, 0.0863
CMYK	0.41, 0.60, 0.00, 0.09
HSL	259°, 76%, 64%
HSV	259°, 60%, 91%
XYZ	28.9389, 19.0303, 79.2388
YIQ	122.1160, -18.7160, 52.8680

Conversions

Conversions Part 2

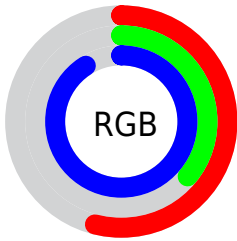
Format	Color
R _Y B	137, 93, 233
Decimal	9002473
CIE Lab	50.72, 48.77, -64.86
CIE LCh	51, 81.150, 306.943
Yxy	19.0303, 0.2275, 0.1496
Android (android.graphics.Color)	4287192553 (0xFF895DE9)
YUV	122.1160, 54.6658, 13.0533
Hunter-Lab	43.6237, 42.0709, -77.1586

Details

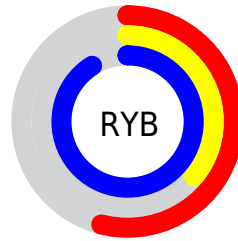
The XYZ color **28.9389, 19.0303, 79.2388** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **52.1006, 69.8870, 21.0998**, and the grayscale version is **18.3689, 19.3255, 21.0455**.

A 20% lighter version of the original color is **50.6811, 39.0729, 99.4784**, and **11.8422, 6.4820, 41.7013** is the 20% darker color. If you saturate the color by 10%, you get **24.7686, 14.2932, 78.5447**, and if you desaturate by 10%, it is **34.1216, 25.2141, 80.1596**.

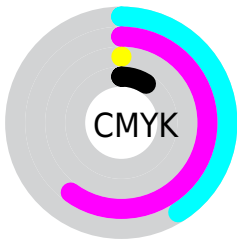
Distribution



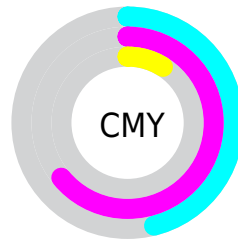
- Red (54%)
- Green (36%)
- Blue (91%)



- Red (54%)
- Yellow (36%)
- Blue (91%)



- Cyan (41%)
- Magenta (60%)
- Yellow (0%)
- Black (9%)



- Cyan (46%)
- Magenta (64%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9389, 19.0303, 79.2388 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 28.9389, 19.0303, 79.2388 by changing the saturation by 10% instead.

■ 28.9389, 19.0303,
79.2388

■ 28.9389, 19.0303,
79.2388

288.9260,
246.6160, 512.0028

■ 19.1787, 11.6922,
58.5697

■ 57.3782, 41.7853,
134.0967

■ 11.9042, 6.5344,
41.8491

■ 76.7880, 57.9709,
169.1226

■ 6.7502, 3.1727,
28.6585

■ 100.1450, 77.8746,
209.7711

■ 3.3513, 1.2225,
18.5792

■ 127.8146,
101.8806, 256.4609

■ 1.3422, 0.0800,
11.1929

160.1622,
130.3733, 309.6104

■ 0.2144, 0.0000,
6.0810

197.5530,

■ 0.0000, 0.0000,

163.7372, 369.6382

2.8248

240.3525,
202.3566, 436.9628

■ 0.0000, 0.0000,
1.0059

■ 0.0000, 0.0000,
0.0000

■ 28.9389, 19.0303,
79.2388

■ 28.9389, 19.0303,
79.2388

■ 24.7686, 14.2932,
78.5447

■ 34.1216, 25.2141,
80.1596

■ 21.5325, 10.8751,
78.0554

■ 40.3812, 32.9535,
81.3236

■ 19.1434, 8.6276,
77.7476

■ 47.7796, 42.3488,
82.7471

■ 17.4735, 7.3088,
77.5810

■ 56.3730, 53.4913,
84.4449

66.2137, 66.4653,
86.4305

77.3509, 81.3498,
88.7165

89.4783, 97.5138,
91.1973

91.7081, 98.6632,
91.3016

Harmonies

Analogous

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



20.0025, 19.0303, 101.8438



28.9389, 19.0303, 79.2388



36.1499, 19.0303, 43.0757

Triad

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



28.9389, 19.0303, 79.2388



24.7713, 19.0303, 0.8939



6.7485, 19.0303, 26.4865

Complementary

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



28.9389, 19.0303, 79.2388



52.1006, 69.8870, 21.0998

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.



7.3408, 19.0303, 7.8548



28.9389, 19.0303, 79.2388



16.2992, 19.0303, 0.4823

Square

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



28.9389, 19.0303, 79.2388



33.2920, 19.0303, 3.9605



10.3578, 19.0303, 1.7199



8.4028, 19.0303, 59.8283

Rectangle

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



28.9389, 19.0303, 79.2388



38.0897, 19.0303, 23.1481



10.3578, 19.0303, 1.7199



6.7017, 19.0303, 18.4693

Sweetspot

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



28.9398, 19.0309, 79.2393



71.4690, 68.6418, 104.0901



37.8534, 45.4724, 83.8732



14.5848, 13.7594, 22.1371



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.



28.9398, 19.0309, 79.2393



29.3983, 16.4530, 96.2340



43.7996, 26.6914, 79.9347



14.6767, 14.7786, 19.0013



10.0276, 4.2053, 44.0262



0.8835, 0.3798, 3.4616

Inverse Universe

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



46.7040, 28.8267, 51.2454



53.6304, 29.8622, 55.9369



39.0003, 63.1335, 20.4867



15.5016, 15.2285, 17.9268



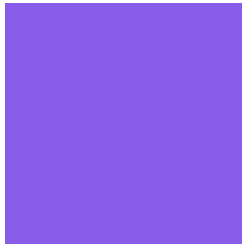
22.7150, 11.2887, 20.0985



1.8268, 0.9037, 1.8053

Previews

White Background



This preview shows how the XYZ color 28.9389, 19.0303, 79.2388 looks on a white background.

Color Contrast Check

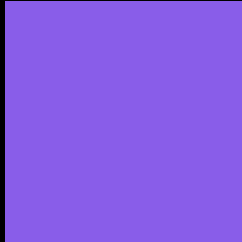
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.9389, 19.0303, 79.2388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

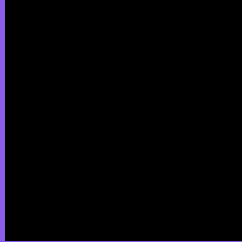
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.9389, 19.0303, 79.2388

Background



This preview shows how black text looks on a background with the XYZ color 28.9389, 19.0303, 79.2388.



This preview shows how white text looks on a background with the XYZ color 28.9389, 19.0303,

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

28.9389, 19.0303, 79.2388

Protanopia

23.0339, 19.2062, 90.4888

Deuteranopia

19.4776, 19.1238, 67.6304



Tritanopia

17.7442, 18.8241, 24.1709

Trichromacy



Original Color

28.9389, 19.0303, 79.2388



Protanomaly

22.7050, 17.8140, 86.2462



Deuteranomaly

20.2944, 17.5404, 71.4232



Tritanomaly

20.7784, 18.3336, 39.4894

Monochromacy



Original Color

28.9389, 19.0303, 79.2388



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

20.9584, 18.4895, 36.6466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9389, 19.0303, 79.2388 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(137, 93, 233)` looks like.

```
.text, #text, p{  
    color:rgb(137, 93, 233)  
}
```

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(137, 93, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 93, 233) }
```

Border

The CSS property to change the border of an element to XYZ 28.9389, 19.0303, 79.2388 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(137, 93, 233) }
```


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

```
.border{ border-color:rgb(137, 93, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 93, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 93, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 93, 233);  
box-shadow:4px 4px 4px 4px rgb(137, 93,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9389, 19.0303, 79.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 93, 233) }
```

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

```
.background{ background-color: rgb(137, 93,  
233) }
```

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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