

Converting Colors

XYZ(27.6079, 12.5068, 79.2536)

Have a look what the booklet for
XYZ(27.6079, 12.5068, 79.2536)
contains.

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Color

**XYZ(27.7579, 12.5775,
79.5620)**

Conversions

Conversions Part 1

Format	Color
Hex	9700EB
RGB	151, 0, 235
RGB Percent	59%, 0%, 92%
CMY	0.4078, 1.0000, 0.0784
CMYK	0.36, 1.00, 0.00, 0.08
HSL	279°, 100%, 46%
HSV	279°, 100%, 92%
XYZ	27.7579, 12.5775, 79.5620
YIQ	71.9390, 14.5610, 105.0970

Conversions

Conversions Part 2

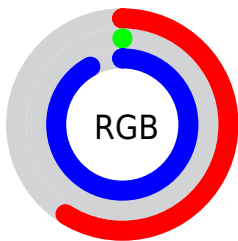
Format	Color
R_{YB}	151, 0, 235
Decimal	9896171
CIE _{Lab}	42.12, 81.22, -79.93
CIE _{LCh}	42, 113.954, 315.455
Yxy	12.5775, 0.2315, 0.1049
Android (android.graphics.Color)	4288086251 (0xFF9700EB)
YUV	71.9390, 80.3891, 69.3365
Hunter-Lab	35.4648, 77.6467, -108.1864

Details

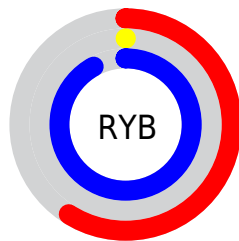
The XYZ color **27.7579, 12.5775, 79.5620** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **33.3645, 61.3017, 10.0740**, and the grayscale version is **6.0149, 6.3282, 6.8914**.

A 20% lighter version of the original color is **48.4499, 27.7140, 97.4035**, and **12.1557, 5.3382, 42.5092** is the 20% darker color. If you saturate the color by 10%, you get **27.7585, 12.5778, 79.5623**, and if you desaturate by 10%, it is **29.6901, 14.0434, 79.7434**.

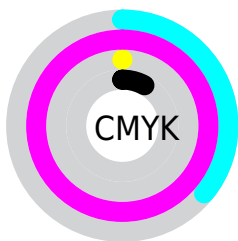
Distribution



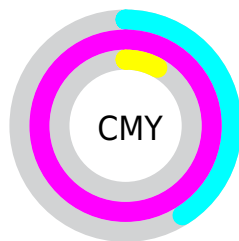
- Red (59%)
- Green (0%)
- Blue (92%)



- Red (59%)
- Yellow (0%)
- Blue (92%)



- Cyan (36%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)



- Cyan (41%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7579, 12.5775, 79.5620 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 27.7579, 12.5775, 79.5620 by changing the saturation by 10% instead.

27.7579, 12.5775,
79.5620

27.7579, 12.5775,
79.5620

283.4094,
208.1919, 513.1233

18.2828, 7.1383,
58.8339

55.5090, 30.5426,
134.5556

11.2541, 3.5487,
42.0603

74.5157, 43.8373,
169.6582

6.3066, 1.4245,
28.8226

97.4304, 60.5193,
210.3894

3.0748, 0.2347,
18.7022

124.6182, 80.9729,
257.1677

1.1934, 0.0000,
11.2807

156.4447,
105.5826, 310.4118

0.1012, 0.0000,
6.1394

193.2751,

0.0000, 0.0000,

134.7327, 370.5400

2.8599

235.4749,
168.8077, 437.9710

■ 0.0000, 0.0000,
1.0235

■ 0.0000, 0.0000,
0.0000

■ 27.7579, 12.5775,
79.5620

■ 27.7579, 12.5775,
79.5620

■ 27.7585, 12.5778,
79.5623

■ 29.6901, 14.0434,
79.7434

■ 32.1186, 16.3346,
80.0577

■ 35.1676, 19.6954,
80.5456

■ 38.9102, 24.2690,
81.2312

■ 43.4084, 30.1759,
82.1343

■ 48.7164, 37.5220,
83.2724

■ 54.8830, 46.4019,
84.6614

■ 61.9530, 56.9023,
86.3156

■ 69.9678, 69.1030,
88.2481

Harmonies

Analogous

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



16.8502, 12.5775, 126.1163



27.7579, 12.5775, 79.5620



35.7183, 12.5775, 29.0977

Triad

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



27.7579, 12.5775, 79.5620



16.5372, 12.5775, 0.0000



2.1171, 12.5775, 30.2996

Complementary

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



27.7579, 12.5775, 79.5620



33.3645, 61.3017, 10.0740

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.



2.0960, 12.5775, 4.9935



27.7579, 12.5775, 79.5620



8.1129, 12.5775, 0.0000

Square

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



27.7579, 12.5775, 79.5620



27.4376, 12.5775, 0.0000



3.6898, 12.5775, 0.0000



3.7742, 12.5775, 81.2713

Rectangle

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



27.7579, 12.5775, 79.5620



36.6577, 12.5775, 9.7159



3.6898, 12.5775, 0.0000



1.9585, 12.5775, 18.6341

Sweetspot

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



27.7586, 12.5779, 79.5623



65.9560, 55.6979, 101.8823



18.3367, 12.6807, 80.0788



13.4180, 10.9054, 21.6477



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.



27.7586, 12.5779, 79.5623



33.3297, 15.0970, 95.7651



45.1203, 22.0060, 58.7872



15.1623, 15.0289, 19.0240



15.5929, 7.0743, 44.2866



1.3286, 0.6092, 3.4824

Inverse Universe

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



35.8613, 18.3024, 10.0299



43.1346, 22.0179, 11.9071



29.9603, 59.5176, 11.2286



15.2879, 15.1430, 16.8013



20.0136, 10.2081, 5.8732



1.6160, 0.8194, 0.6954

Previews

White Background



This preview shows how the XYZ color 27.7579, 12.5775, 79.5620 looks on a white background.

Color Contrast Check

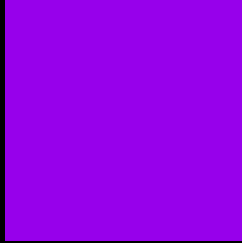
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7579, 12.5775, 79.5620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

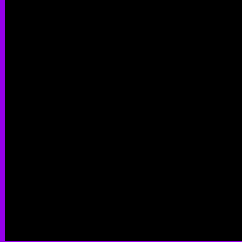
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7579, 12.5775, 79.5620

Background



This preview shows how black text looks on a background with the XYZ color 27.7579, 12.5775, 79.5620.



This preview shows how white text looks on a background with the XYZ color 27.7579, 12.5775,

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

27.7579, 12.5775, 79.5620

Protanopia

15.3871, 13.1431, 59.4835

Deuteranopia

12.8861, 13.0750, 43.4395



Tritanopia

14.5367, 12.9151, 13.5311

Trichromacy



Original Color

27.7579, 12.5775, 79.5620



Protanomaly

15.6928, 9.2153, 65.9174



Deuteranomaly

13.7168, 8.7859, 54.3990



Tritanomaly

16.7408, 10.3344, 29.1294

Monochromacy



Original Color

27.7579, 12.5775, 79.5620



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.4406, 6.3594, 22.1499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7579, 12.5775, 79.5620 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(151, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(151, 0, 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(151, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 27.7579, 12.5775, 79.5620 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(151, 0, 235) }
```


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

```
.border{ border-color:rgb(151, 0, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 0, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(151, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7579, 12.5775, 79.5620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 0, 235) }
```

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

```
.background{ background-color: rgb(151, 0,  
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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