

Converting Colors

XYZ(27.1383, 16.2685, 85.7153)

Have a look what the booklet for
XYZ(27.1383, 16.2685, 85.7153)
contains.

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Color

**XYZ(27.1352, 16.2879,
85.7181)**

Conversions

Conversions Part 1

Format	Color
Hex	7C4FF2
RGB	124, 79, 242
RGB Percent	49%, 31%, 95%
CMY	0.5137, 0.6902, 0.0510
CMYK	0.49, 0.67, 0.00, 0.05
HSL	257°, 86%, 63%
HSV	257°, 67%, 95%
XYZ	27.1352, 16.2879, 85.7181
YIQ	111.0370, -25.5030, 60.2330

Conversions

Conversions Part 2

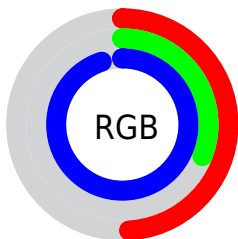
Format	Color
R_{YB}	124, 79, 242
Decimal	8146930
CIE _{Lab}	47.35, 56.17, -75.45
CIE _{LCh}	47, 94.062, 306.668
Yxy	16.2879, 0.2101, 0.1261
Android (android.graphics.Color)	4286337010 (0xFF7C4FF2)
YUV	111.0370, 64.5648, 11.3686
Hunter-Lab	40.3583, 49.3889, -97.6770

Details

The XYZ color **27.1352, 16.2879, 85.7181** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle washed purple. A complement of this color would be **56.1884, 75.9388, 19.0935**, and the grayscale version is **14.9450, 15.7233, 17.1227**.

A 20% lighter version of the original color is **45.9335, 33.6429, 98.6805**, and **10.9758, 5.2631, 46.3363** is the 20% darker color. If you saturate the color by 10%, you get **23.3857, 12.2184, 85.1306**, and if you desaturate by 10%, it is **31.9711, 21.8600, 86.5391**.

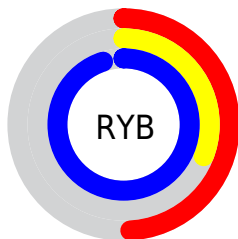
Distribution



Red (49%)

Green (31%)

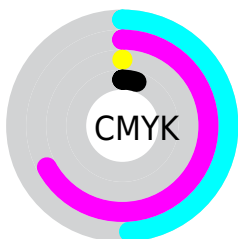
Blue (95%)



Red (49%)

Yellow (31%)

Blue (95%)

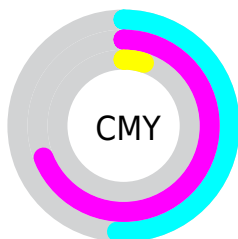


Cyan (49%)

Magenta (67%)

Yellow (0%)

Black (5%)



Cyan (51%)

Magenta (69%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1352, 16.2879, 85.7181 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 27.1352, 16.2879, 85.7181 by changing the saturation by 10% instead.

■ 27.1352, 16.2879,
85.7181

■ 27.1352, 16.2879,
85.7181

280.4668,
231.0346, 534.2077

■ 17.8119, 9.7281,
63.8813

■ 54.5191, 37.0973,
143.2591

■ 10.9139, 5.2191,
46.1090

■ 73.3104, 52.1157,
179.8004

■ 6.0758, 2.3764,
31.9826

■ 95.9884, 70.7224,
222.0803

■ 2.9323, 0.8137,
21.0835

■ 122.9185, 93.3018,
270.5173

■ 1.1181, 0.0000,
12.9932

■ 154.4661,
120.2384, 325.5301

■ 0.0402, 0.0000,
7.2932

190.9964,

■ 0.0000, 0.0000,

151.9164, 387.5370

3.5649

232.8748,
188.7204, 456.9567

■ 0.0000, 0.0000,
1.3898

■ 0.0000, 0.0000,
0.1338

■ 27.1352, 16.2879,
85.7181

■ 27.1352, 16.2879,
85.7181

■ 23.3857, 12.2184,
85.1306

■ 31.9711, 21.8600,
86.5391

■ 20.6235, 9.4924,
84.7500

■ 37.9747, 29.0685,
87.6141

■ 18.7283, 7.9065,
84.5438

■ 45.2221, 38.0335,
88.9625

■ 18.3293, 7.5977,
84.5052

■ 53.7817, 48.8632,
90.6017

■ 63.7169, 61.6570,
92.5475

■ 75.0867, 76.5072,
94.8147

■ 87.9466, 93.5000,
97.4168

■ 93.0271, 99.1908,
98.2475

Harmonies

Analogous

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



17.4141, 16.2879, 113.2679



27.1352, 16.2879, 85.7181



35.3079, 16.2879, 42.7748

Triad

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



27.1352, 16.2879, 85.7181



22.7213, 16.2879, 0.0000



4.4076, 16.2879, 23.6047

Complementary

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



27.1352, 16.2879, 85.7181



56.1884, 75.9388, 19.0935

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.



4.9476, 16.2879, 5.0737



27.1352, 16.2879, 85.7181



13.6968, 16.2879, 0.0000

Square

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



27.1352, 16.2879, 85.7181



32.1860, 16.2879, 2.0323



7.7578, 16.2879, 0.4328



5.8677, 16.2879, 61.5802

Rectangle

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



27.1352, 16.2879, 85.7181



37.5746, 16.2879, 20.5334



7.7578, 16.2879, 0.4328



4.3725, 16.2879, 15.2027

Sweetspot

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



27.1361, 16.2884, 85.7185



68.5806, 65.3237, 103.6019



39.5679, 48.7058, 91.3205



13.9957, 13.1007, 22.0410



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.



27.1361, 16.2884, 85.7185



25.0076, 12.4033, 95.6838



43.7160, 24.8356, 86.4945



15.3069, 15.4399, 19.8950



9.9596, 4.1398, 45.4020



0.9213, 0.3922, 3.7814

Inverse Universe

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



49.4917, 28.5004, 55.7133



52.5051, 27.4868, 55.9466



40.5043, 67.8533, 18.3594



16.2572, 15.9526, 18.9108



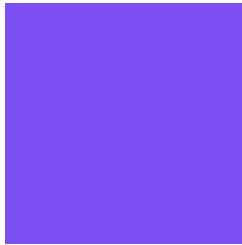
23.8987, 11.8319, 23.1809



2.0300, 1.0010, 2.1486

Previews

White Background



This preview shows how the XYZ color 27.1352, 16.2879, 85.7181 looks on a white background.

Color Contrast Check

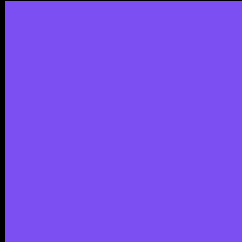
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1352, 16.2879, 85.7181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

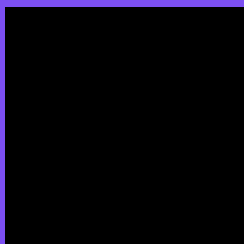
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.1352, 16.2879, 85.7181

Background



This preview shows how black text looks on a background with the XYZ color 27.1352, 16.2879, 85.7181.



This preview shows how white text looks on a background with the XYZ color 27.1352, 16.2879,

85.7181.

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

27.1352, 16.2879, 85.7181

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

16.2088, 16.2927, 55.1138



Tritanopia

14.2614, 16.1956, 21.7764

Trichromacy



Original Color

27.1352, 16.2879, 85.7181



Protanomaly

20.0649, 14.9905, 78.9267



Deuteranomaly

17.8438, 14.8647, 64.8795



Tritanomaly

17.5116, 15.4112, 39.0975

Monochromacy



Original Color

27.1352, 16.2879, 85.7181



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

17.9223, 15.1399, 34.7786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1352, 16.2879, 85.7181 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(124, 79, 242)` looks like.

```
.text, #text, p{  
    color:rgb(124, 79, 242)  
}
```

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(124, 79, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 79, 242) }
```

Border

The CSS property to change the border of an element to XYZ 27.1352, 16.2879, 85.7181 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(124, 79, 242) }
```


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

```
.border{ border-color:rgb(124, 79, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 79, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 79, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 79, 242);  
box-shadow:4px 4px 4px 4px rgb(124, 79,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1352, 16.2879, 85.7181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 79, 242) }
```

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

```
.background{ background-color: rgb(124, 79,  
242) }
```

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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