

Converting Colors

XYZ(27.5020, 17.1542, 83.5242)

Have a look what the booklet for
XYZ(27.5020, 17.1542, 83.5242)
contains.

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Color

**XYZ(27.5809, 17.2410,
83.5355)**

Conversions

Conversions Part 1

Format	Color
Hex	7F55EF
RGB	127, 85, 239
RGB Percent	50%, 33%, 94%
CMY	0.5019, 0.6667, 0.0627
CMYK	0.47, 0.64, 0.00, 0.06
HSL	256°, 83%, 64%
HSV	256°, 64%, 94%
XYZ	27.5809, 17.2410, 83.5355
YIQ	115.1140, -24.4020, 56.7980

Conversions

Conversions Part 2

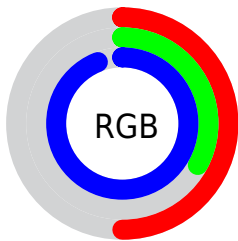
Format	Color
R _Y B	127, 85, 239
Decimal	8345071
CIE Lab	48.56, 52.74, -71.78
CIE LCh	49, 89.069, 306.307
Yxy	17.2410, 0.2149, 0.1343
Android (android.graphics.Color)	4286535151 (0xFF7F55EF)
YUV	115.1140, 61.0758, 10.4240
Hunter-Lab	41.5223, 45.9034, -90.2154

Details

The XYZ color **27.5809, 17.2410, 83.5355** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **55.5311, 74.2589, 20.0010**, and the grayscale version is **16.1570, 16.9984, 18.5112**.

A 20% lighter version of the original color is **47.4892, 35.6761, 98.9910**, and **11.1589, 5.6695, 44.7621** is the 20% darker color. If you saturate the color by 10%, you get **23.6379, 12.8712, 82.9003**, and if you desaturate by 10%, it is **32.6073, 23.1122, 84.4042**.

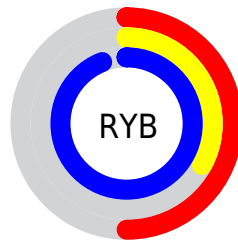
Distribution



Red (50%)

Green (33%)

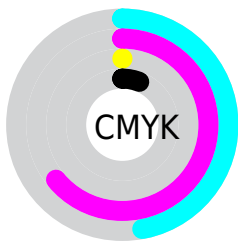
Blue (94%)



Red (50%)

Yellow (33%)

Blue (94%)

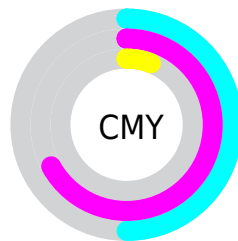


Cyan (47%)

Magenta (64%)

Yellow (0%)

Black (6%)



Cyan (50%)

Magenta (67%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5809, 17.2410, 83.5355 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 27.5809, 17.2410, 83.5355 by changing the saturation by 10% instead.

■ 27.5809, 17.2410,
83.5355

■ 27.5809, 17.2410,
83.5355

282.5754,
236.5574, 526.7871

■ 18.1488, 10.4065,
62.0888

■ 55.2280, 38.7397,
140.1812

■ 11.1572, 5.6693,
44.6682

■ 74.1737, 54.1726,
176.2172

■ 6.2408, 2.6450,
30.8551

■ 97.0213, 73.2405,
217.9535

■ 3.0341, 0.9494,
20.2310

■ 124.1361, 96.3276,
265.8086

■ 1.1718, 0.0000,
12.3773

■ 155.8836,
123.8185, 320.2009

■ 0.0839, 0.0000,
6.8756

192.6291,

■ 0.0000, 0.0000,

156.0975, 381.5491

3.3071

234.7379,
193.5490, 450.2717

■ 0.0000, 0.0000,
1.2535

■ 0.0000, 0.0000,
0.0232

■ 27.5809, 17.2410,
83.5355

■ 27.5809, 17.2410,
83.5355

■ 23.6379, 12.8712,
82.9003

■ 32.6073, 23.1122,
84.4042

■ 20.6858, 9.8555,
82.4738

■ 38.7934, 30.6096,
85.5253

■ 18.6187, 8.0179,
82.2280

■ 46.2112, 39.8462,
86.9172

■ 17.7726, 7.3623,
82.1461

■ 54.9258, 50.9245,
88.5962

64.9976, 63.9389,
90.5774

76.4831, 78.9771,
92.8747

89.4354, 96.1216,
95.5013

92.5801, 99.0120,
95.8935

Harmonies

Analogous

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



18.1771, 17.2410, 108.6286



27.5809, 17.2410, 83.5355



35.4309, 17.2410, 43.3267

Triad

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



27.5809, 17.2410, 83.5355



23.5579, 17.2410, 0.1515



5.1953, 17.2410, 24.1708

Complementary

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



27.5809, 17.2410, 83.5355



55.5311, 74.2589, 20.0010

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.



5.7890, 17.2410, 5.8629



27.5809, 17.2410, 83.5355



14.7186, 17.2410, 0.0000

Square

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



27.5809, 17.2410, 83.5355



32.6186, 17.2410, 2.7354



8.7245, 17.2410, 0.8356



6.6965, 17.2410, 60.0928

Rectangle

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



27.5809, 17.2410, 83.5355



37.6382, 17.2410, 21.8272



8.7245, 17.2410, 0.8356



5.1663, 17.2410, 16.0170

Sweetspot

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



27.5818, 17.2415, 83.5360



69.6981, 66.8069, 103.8293



39.5054, 48.5212, 88.9451



14.2120, 13.3884, 22.0851



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.



27.5818, 17.2415, 83.5360



26.3044, 13.7704, 95.8793



43.4755, 25.4350, 84.2798



15.3018, 15.4373, 19.8948



9.9291, 4.1240, 45.4006



0.9182, 0.3906, 3.7812

Inverse Universe

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



48.9228, 28.8789, 55.8163



53.3809, 28.5900, 58.2374



40.3822, 66.4493, 19.2921



16.2596, 15.9535, 18.9231



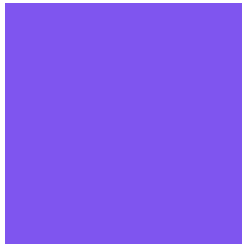
23.9412, 11.8489, 23.4049



2.0332, 1.0023, 2.1657

Previews

White Background



This preview shows how the XYZ color 27.5809, 17.2410, 83.5355 looks on a white background.

Color Contrast Check

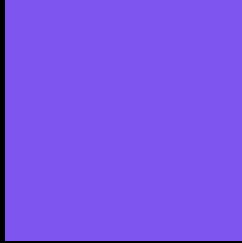
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5809, 17.2410, 83.5355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

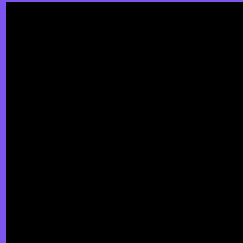
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.5809, 17.2410, 83.5355

Background



This preview shows how black text looks on a background with the XYZ color 27.5809, 17.2410, 83.5355.



This preview shows how white text looks on a background with the XYZ color 27.5809, 17.2410,

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

27.5809, 17.2410, 83.5355

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.3775, 17.3165, 59.5533



Tritanopia

15.3045, 17.0568, 22.9077

Trichromacy



Original Color

27.5809, 17.2410, 83.5355



Protanomaly

21.0184, 16.1397, 81.3644



Deuteranomaly

18.8051, 15.8987, 67.7233



Tritanomaly

18.4063, 16.3234, 39.2264

Monochromacy



Original Color

27.5809, 17.2410, 83.5355



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

18.9032, 16.3606, 35.4193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5809, 17.2410, 83.5355 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(127, 85, 239)` looks like.

```
.text, #text, p{  
  color:rgb(127, 85, 239)  
}
```

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(127, 85, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 85, 239) }
```

Border

The CSS property to change the border of an element to XYZ 27.5809, 17.2410, 83.5355 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(127, 85, 239) }
```


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

```
.border{ border-color:rgb(127, 85, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 85, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 85, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 85, 239);  
box-shadow:4px 4px 4px 4px rgb(127, 85,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5809, 17.2410, 83.5355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 85, 239) }
```

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

```
.background{ background-color: rgb(127, 85,  
239) }
```

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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