

Converting Colors

XYZ(27.6226, 18.5986, 81.6538)

Have a look what the booklet for
XYZ(27.6226, 18.5986, 81.6538)
contains.

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Color

**XYZ(27.5447, 18.5256,
81.4809)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5FEC
RGB	124, 95, 236
RGB Percent	49%, 37%, 93%
CMY	0.5137, 0.6274, 0.0745
CMYK	0.47, 0.60, 0.00, 0.07
HSL	252°, 79%, 65%
HSV	252°, 60%, 93%
XYZ	27.5447, 18.5256, 81.4809
YIQ	119.7450, -27.9770, 49.9990

Conversions

Conversions Part 2

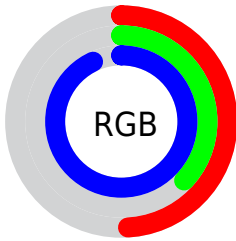
Format	Color
R_{YB}	124, 95, 236
Decimal	8151020
CIE _{Lab}	50.13, 45.85, -67.56
CIE _{LCh}	50, 81.651, 304.160
Yxy	18.5256, 0.2160, 0.1452
Android (android.graphics.Color)	4286341100 (0xFF7C5FEC)
YUV	119.7450, 57.3137, 3.7316
Hunter-Lab	43.0414, 38.9102, -82.1119

Details

The XYZ color **27.5447, 18.5256, 81.4809** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **57.7922, 74.0823, 22.0800**, and the grayscale version is **17.6015, 18.5181, 20.1663**.

A 20% lighter version of the original color is **48.0122, 38.1547, 99.4418**, and **11.1398, 6.3118, 43.2790** is the 20% darker color. If you saturate the color by 10%, you get **23.2755, 13.6328, 80.7619**, and if you desaturate by 10%, it is **32.9744, 24.9724, 82.4395**.

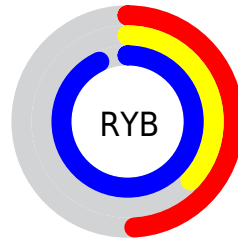
Distribution



Red (49%)

Green (37%)

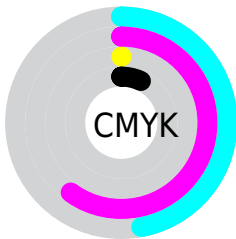
Blue (93%)



Red (49%)

Yellow (37%)

Blue (93%)

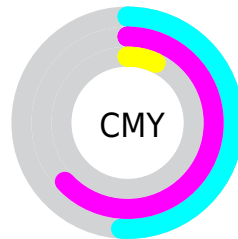


Cyan (47%)

Magenta (60%)

Yellow (0%)

Black (7%)



Cyan (51%)

Magenta (63%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5447, 18.5256, 81.4809 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 27.5447, 18.5256, 81.4809 by changing the saturation by 10% instead.

■ 27.5447, 18.5256,
81.4809

■ 27.5447, 18.5256,
81.4809

282.4046,
243.8171, 519.7475

■ 18.1214, 11.3280,
60.4044

■ 55.1705, 40.9309,
137.2759

■ 11.1374, 6.2879,
43.3173

■ 74.1036, 56.9074,
172.8316

■ 6.2273, 3.0209,
29.8009

■ 96.9375, 76.5790,
214.0507

■ 3.0258, 1.1427,
19.4367

■ 124.0374,
100.3301, 261.3519

■ 1.1674, 0.0141,
11.8063

155.7687,
128.5451, 315.1536

■ 0.0804, 0.0000,
6.4910

192.4968,

■ 0.0000, 0.0000,

161.6083, 375.8744

3.0723

234.5870,
199.9042, 443.9328

■ 0.0000, 0.0000,
1.1317

■ 0.0000, 0.0000,
0.0000

■ 27.5447, 18.5256,
81.4809

■ 27.5447, 18.5256,
81.4809

■ 23.2755, 13.6328,
80.7619

■ 32.9744, 24.9724,
82.4395

■ 20.0745, 10.1567,
80.2597

■ 39.6414, 33.0907,
83.6551

■ 17.8390, 7.9384,
79.9493

■ 47.6191, 42.9885,
85.1451

■ 16.4147, 6.7227,
79.7898

■ 56.9740, 54.7644,
86.9250

■ 16.3853, 6.6979,
79.7865

■ 67.7683, 68.5093,
89.0091

■ 80.0600, 84.3085,
91.4108

■ 92.1404, 98.8362,
93.5783

Harmonies

Analogous

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



18.7286, 18.5256, 101.6181



27.5447, 18.5256, 81.4809



35.0402, 18.5256, 45.5703

Triad

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



27.5447, 18.5256, 81.4809



25.0614, 18.5256, 0.9047



6.4171, 18.5256, 23.4808

Complementary

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



27.5447, 18.5256, 81.4809



57.7922, 74.0823, 22.0800

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.



7.1984, 18.5256, 6.5647



27.5447, 18.5256, 81.4809



16.5331, 18.5256, 0.3489

Square

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



27.5447, 18.5256, 81.4809



33.3322, 18.5256, 4.3109



10.4047, 18.5256, 1.3639



7.8201, 18.5256, 55.6020

Rectangle

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



27.5447, 18.5256, 81.4809



37.3591, 18.5256, 24.9103



10.4047, 18.5256, 1.3639



6.4368, 18.5256, 16.0749

Sweetspot

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



27.5456, 18.5262, 81.4814



69.9508, 67.8591, 104.0191



42.3671, 53.5037, 87.4515



14.2196, 13.5712, 22.1200



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.



27.5456, 18.5262, 81.4814



26.6561, 15.0394, 96.1057



41.4040, 25.6705, 82.1299



14.5207, 14.6982, 18.9940



9.1173, 3.7361, 43.9836



0.7935, 0.3334, 3.4574

Inverse Universe

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



49.9465, 30.5223, 62.2879



56.0734, 30.8394, 68.8015



42.4271, 66.1613, 21.3609



15.5743, 15.2576, 18.3098



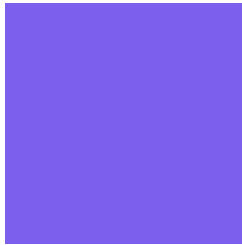
24.0871, 11.8375, 27.3236



1.9248, 0.9429, 2.3215

Previews

White Background



This preview shows how the XYZ color 27.5447, 18.5256, 81.4809 looks on a white background.

Color Contrast Check

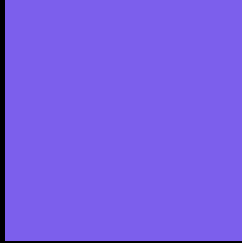
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5447, 18.5256, 81.4809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

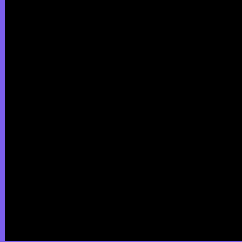
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.5447, 18.5256, 81.4809

Background



This preview shows how black text looks on a background with the XYZ color 27.5447, 18.5256, 81.4809.



This preview shows how white text looks on a background with the XYZ color 27.5447, 18.5256,

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

27.5447, 18.5256, 81.4809

Protanopia

22.4599, 18.7931, 88.0316

Deuteranopia

18.8432, 18.6725, 64.8984



Tritanopia

16.1405, 18.3462, 24.8808

Trichromacy



Original Color

27.5447, 18.5256, 81.4809



Protanomaly

22.3219, 17.6339, 85.4463



Deuteranomaly

19.9275, 17.3667, 70.7084



Tritanomaly

19.1047, 17.7767, 40.4545

Monochromacy



Original Color

27.5447, 18.5256, 81.4809



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

20.0912, 18.0425, 36.6060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5447, 18.5256, 81.4809 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, 95, 236)` looks like.

```
.text, #text, p{  
    color:rgb(124, 95, 236)  
}
```

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, 95, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 95, 236) }
```

Border

The CSS property to change the border of an element to XYZ 27.5447, 18.5256, 81.4809 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, 95, 236) }
```


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

```
.border{ border-color:rgb(124, 95, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 95, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 95, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 95, 236);  
box-shadow:4px 4px 4px 4px rgb(124, 95,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5447, 18.5256, 81.4809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 95, 236) }
```

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

```
.background{ background-color: rgb(124, 95,  
236) }
```

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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