

Converting Colors

XYZ(27.6714, 16.8823, 80.7900)

Have a look what the booklet for
XYZ(27.6714, 16.8823, 80.7900)
contains.

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Color

**XYZ(27.7556, 16.9275,
81.1613)**

Conversions

Conversions Part 1

Format	Color
Hex	8551EC
RGB	133, 81, 236
RGB Percent	52%, 32%, 93%
CMY	0.4784, 0.6824, 0.0745
CMYK	0.44, 0.66, 0.00, 0.07
HSL	260°, 80%, 62%
HSV	260°, 66%, 93%
XYZ	27.7556, 16.9275, 81.1613
YIQ	114.2180, -18.7630, 59.2290

Conversions

Conversions Part 2

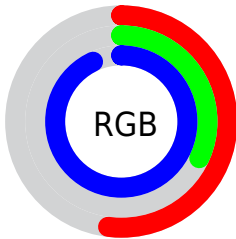
Format	Color
R_{YB}	133, 81, 236
Decimal	8737260
CIE _{Lab}	48.17, 55.13, -70.70
CIE _{LCh}	48, 89.659, 307.946
Yxy	16.9275, 0.2206, 0.1345
Android (android.graphics.Color)	4286927340 (0xFF8551EC)
YUV	114.2180, 60.0385, 16.4718
Hunter-Lab	41.1430, 48.4180, -88.1590

Details

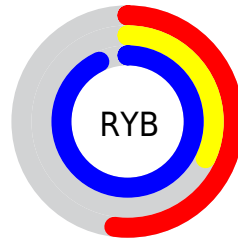
The XYZ color **27.7556, 16.9275, 81.1613** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **51.2471, 70.7752, 18.7447**, and the grayscale version is **15.8898, 16.7173, 18.2051**.

A 20% lighter version of the original color is **48.1758, 35.2015, 98.8632**, and **11.2485, 5.5111, 43.1187** is the 20% darker color. If you saturate the color by 10%, you get **24.0029, 12.8265, 80.5679**, and if you desaturate by 10%, it is **32.4887, 22.4383, 81.9759**.

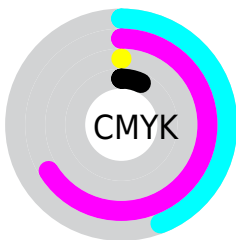
Distribution



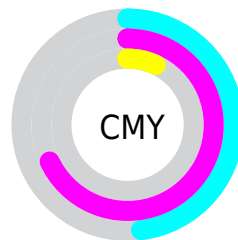
- Red (52%)
- Green (32%)
- Blue (93%)



- Red (52%)
- Yellow (32%)
- Blue (93%)



- Cyan (44%)
- Magenta (66%)
- Yellow (0%)
- Black (7%)



- Cyan (48%)
- Magenta (68%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7556, 16.9275, 81.1613 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 27.7556, 16.9275, 81.1613 by changing the saturation by 10% instead.

■ 27.7556, 16.9275,
81.1613

■ 27.7556, 16.9275,
81.1613

283.3985,
234.7542, 518.6475

■ 18.2810, 10.1828,
60.1427

■ 55.5054, 38.2011,
136.8233

■ 11.2528, 5.5203,
43.1076

■ 74.5113, 53.4988,
172.3038

■ 6.3057, 2.5557,
29.6375

■ 97.4250, 72.4162,
213.4420

■ 3.0743, 0.9044,
19.3139

■ 124.6120, 95.3379,
260.6565

■ 1.1932, 0.0000,
11.7182

■ 156.4374,
122.6481, 314.3657

■ 0.1010, 0.0000,
6.4319

193.2668,

■ 0.0000, 0.0000,

154.7313, 374.9883

3.0364

235.4653,
191.9719, 442.9427

■ 0.0000, 0.0000,
1.1133

■ 0.0000, 0.0000,
0.0000

■ 27.7556, 16.9275,
81.1613

■ 27.7556, 16.9275,
81.1613

■ 24.0029, 12.8265,
80.5679

■ 32.4887, 22.4383,
81.9759

■ 21.1456, 9.9927,
80.1715

■ 38.2718, 29.4787,
83.0300

■ 19.0850, 8.2541,
79.9445

■ 45.1705, 38.1574,
84.3416

■ 18.3799, 7.7262,
79.8798

■ 53.2439, 48.5723,
85.9264

■ 62.5469, 60.8136,
87.7988

■ 73.1306, 74.9651,
89.9725

■ 85.0431, 91.1053,
92.4601

■ 92.1404, 98.8362,
93.5782

Harmonies

Analogous

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



18.3504, 16.9275, 107.9608



27.7556, 16.9275, 81.1613



35.3838, 16.9275, 40.8953

Triad

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



27.7556, 16.9275, 81.1613



22.7080, 16.9275, 0.0000



5.0356, 16.9275, 25.3457

Complementary

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



27.7556, 16.9275, 81.1613



51.2471, 70.7752, 18.7447

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.



5.5081, 16.9275, 6.2064



27.7556, 16.9275, 81.1613



14.0216, 16.9275, 0.0000

Square

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



27.7556, 16.9275, 81.1613



31.8505, 16.9275, 2.3270



8.2582, 16.9275, 0.8631



6.6359, 16.9275, 61.9980

Rectangle

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



27.7556, 16.9275, 81.1613



37.3378, 16.9275, 20.0842



8.2582, 16.9275, 0.8631



4.9712, 16.9275, 16.8714

Sweetspot

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



27.7565, 16.9280, 81.1617



69.4955, 65.7953, 103.6447



35.7437, 42.2254, 85.6236



14.2124, 13.2124, 22.0511



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.



27.7565, 16.9280, 81.1617



27.2529, 13.8916, 95.8527



44.7088, 25.6673, 81.9551



14.7074, 14.7944, 19.0027



10.2544, 4.3222, 44.0368



0.9042, 0.3904, 3.4626

Inverse Universe

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



46.1861, 27.1784, 48.1571



51.5521, 27.4621, 49.8286



37.5243, 63.7008, 18.1024



15.4875, 15.2229, 17.8526



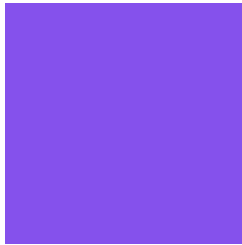
22.4765, 11.1933, 18.8427



1.8094, 0.8967, 1.7136

Previews

White Background



This preview shows how the XYZ color 27.7556, 16.9275, 81.1613 looks on a white background.

Color Contrast Check

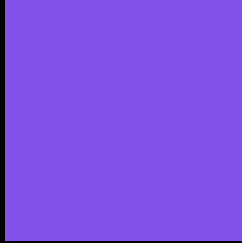
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7556, 16.9275, 81.1613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

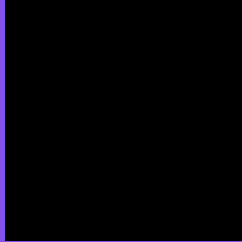
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7556, 16.9275, 81.1613

Background



This preview shows how black text looks on a background with the XYZ color 27.7556, 16.9275, 81.1613.



This preview shows how white text looks on a background with the XYZ color 27.7556, 16.9275,

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

27.7556, 16.9275, 81.1613

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

17.0220, 16.9868, 58.2588



Tritanopia

15.7127, 16.7809, 21.4797

Trichromacy



Original Color

27.7556, 16.9275, 81.1613



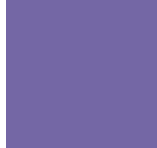
Protanomaly

20.5320, 15.4926, 79.7501



Deuteranomaly

18.3068, 15.3840, 65.6229



Tritanomaly

18.8442, 16.1301, 37.7175

Monochromacy



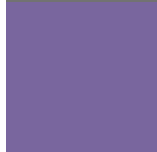
Original Color

27.7556, 16.9275, 81.1613



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

18.8081, 16.0363, 34.4518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7556, 16.9275, 81.1613 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(133, 81, 236)` looks like.

```
.text, #text, p{  
  color:rgb(133, 81, 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(133, 81, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 81, 236) }
```

Border

The CSS property to change the border of an element to XYZ 27.7556, 16.9275, 81.1613 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(133, 81, 236) }
```


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

```
.border{ border-color:rgb(133, 81, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 81, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 81, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 81, 236);  
box-shadow:4px 4px 4px 4px rgb(133, 81,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7556, 16.9275, 81.1613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 81, 236) }
```

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

```
.background{ background-color: rgb(133, 81,  
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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