

Converting Colors

XYZ(27.3834, 18.6138, 69.4446)

Have a look what the booklet for
XYZ(27.3834, 18.6138, 69.4446)
contains.

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Color

**XYZ(27.2701, 18.5232,
69.1559)**

Conversions

Conversions Part 1

Format	Color
Hex	8A5EDB
RGB	138, 94, 219
RGB Percent	54%, 37%, 86%
CMY	0.4588, 0.6314, 0.1412
CMYK	0.37, 0.57, 0.00, 0.14
HSL	261°, 63%, 61%
HSV	261°, 57%, 86%
XYZ	27.2701, 18.5232, 69.1559
YIQ	121.4060, -13.9010, 48.2030

Conversions

Conversions Part 2

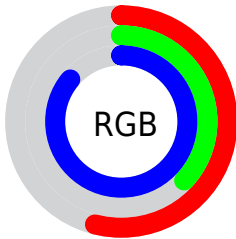
Format	Color
R _{YB}	138, 94, 219
Decimal	9068251
CIE _{Lab}	50.12, 44.76, -57.91
CIE _{LCh}	50, 73.189, 307.699
Yxy	18.5232, 0.2372, 0.1611
Android (android.graphics.Color)	4287258331 (0xFF8A5EDB)
YUV	121.4060, 48.1138, 14.5529
Hunter-Lab	43.0386, 37.7836, -65.1422

Details

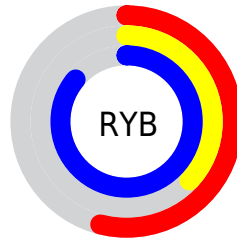
The XYZ color **27.2701, 18.5232, 69.1559** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **45.0312, 60.5854, 19.9110**, and the grayscale version is **18.1583, 19.1040, 20.8042**.

A 20% lighter version of the original color is **50.8346, 39.3799, 99.5295**, and **10.9426, 6.2704, 35.2839** is the 20% darker color. If you saturate the color by 10%, you get **23.3953, 14.0336, 68.4939**, and if you desaturate by 10%, it is **32.0057, 24.2769, 70.0173**.

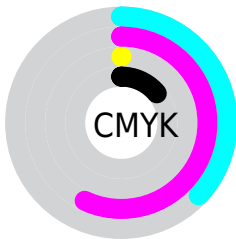
Distribution



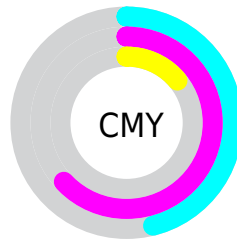
- Red (54%)
- Green (37%)
- Blue (86%)



- Red (54%)
- Yellow (37%)
- Blue (86%)



- Cyan (37%)
- Magenta (57%)
- Yellow (0%)
- Black (14%)



- Cyan (46%)
- Magenta (63%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2701, 18.5232, 69.1559 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 27.2701, 18.5232, 69.1559 by changing the saturation by 10% instead.

■ 27.2701, 18.5232,
69.1559

■ 27.2701, 18.5232,
69.1559

281.1063,
243.8038, 476.2895

■ 17.9138, 11.3263,
50.3661

■ 54.7338, 40.9268,
119.6740

■ 10.9874, 6.2867,
35.3312

■ 73.5720, 56.9024,
152.2395

■ 6.1256, 3.0202,
23.6325

■ 96.3015, 76.5728,
190.2339

■ 2.9630, 1.1423,
14.8516

■ 123.2876,
100.3227, 234.0758

■ 1.1342, 0.0138,
8.5698

154.8958,
128.5363, 284.1838

■ 0.0535, 0.0000,
4.3687

191.4914,

■ 0.0000, 0.0000,

161.5981, 340.9764

1.8297

233.4398,
199.8925, 404.8721

■ 0.0000, 0.0000,
0.4475

■ 0.0000, 0.0000,
0.0000

■ 27.2701, 18.5232,
69.1559

■ 27.2701, 18.5232,
69.1559

■ 23.3953, 14.0336,
68.4939

■ 32.0057, 24.2769,
70.0173

■ 20.3189, 10.7038,
68.0133

■ 37.6531, 31.3835,
71.0913

■ 17.9729, 8.4154,
67.6953

■ 44.2623, 39.9256,
72.3918

■ 16.2696, 7.0134,
67.5144

■ 51.8784, 49.9789,
73.9308

■ 15.8542, 6.6961,
67.4751

■ 60.5437, 61.6133,
75.7198

■ 70.2978, 74.8945,
77.7692

■ 81.1783, 89.8844,
80.0891

■ 88.5215, 97.2425,
81.1223

■ 89.7863, 97.8945,
81.1815

Harmonies

Analogous

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



19.4860, 18.5232, 88.3417



27.2701, 18.5232, 69.1559



33.3713, 18.5232, 38.7902

Triad

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



27.2701, 18.5232, 69.1559



23.2701, 18.5232, 1.3503



7.2954, 18.5232, 25.8329

Complementary

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



27.2701, 18.5232, 69.1559



45.0312, 60.5854, 19.9110

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.



7.8026, 18.5232, 8.7282



27.2701, 18.5232, 69.1559



15.8505, 18.5232, 0.9713

Square

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



27.2701, 18.5232, 69.1559



30.6650, 18.5232, 4.5202



10.5461, 18.5232, 2.4029



8.9072, 18.5232, 54.4664

Rectangle

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



27.2701, 18.5232, 69.1559



34.9320, 18.5232, 21.7684



10.5461, 18.5232, 2.4029



7.2337, 18.5232, 18.6492

Sweetspot

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



27.2709, 18.5238, 69.1564



73.1562, 70.4484, 104.3499



32.7815, 38.2521, 72.6739



15.1674, 14.4261, 22.2351



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.



27.2709, 18.5238, 69.1564



32.3025, 19.0019, 96.5729



40.6756, 25.4342, 69.7837



12.7689, 12.8390, 16.4573



9.5085, 4.0260, 40.0143



0.7076, 0.3080, 2.5966

Inverse Universe

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



40.9543, 26.1611, 43.4483



53.9604, 31.1277, 54.1802



34.1303, 54.9658, 19.4008



13.4096, 13.1929, 15.4183



20.2670, 10.1078, 16.3177



1.3533, 0.6710, 1.2693

Previews

White Background



This preview shows how the XYZ color 27.2701, 18.5232, 69.1559 looks on a white background.

Color Contrast Check

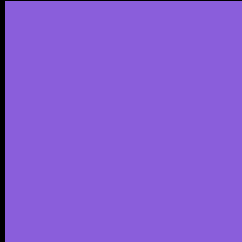
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2701, 18.5232, 69.1559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

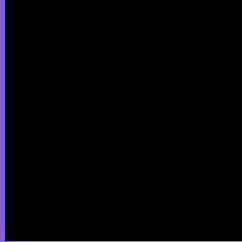
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.2701, 18.5232, 69.1559

Background



This preview shows how black text looks on a background with the XYZ color 27.2701, 18.5232, 69.1559.



This preview shows how white text looks on a background with the XYZ color 27.2701, 18.5232,

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

27.2701, 18.5232, 69.1559

Protanopia

22.4599, 18.8454, 85.6728

Deuteranopia

19.2996, 18.7119, 65.5453



Tritanopia

17.8459, 18.3669, 23.0267

Trichromacy



Original Color

27.2701, 18.5232, 69.1559



Protanomaly

22.2804, 17.5919, 79.3121



Deuteranomaly

20.2649, 17.4685, 66.5937



Tritanomaly

20.3591, 17.8705, 36.0945

Monochromacy



Original Color

27.2701, 18.5232, 69.1559



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

20.5226, 18.3152, 34.3518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2701, 18.5232, 69.1559 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(138, 94, 219)` looks like.

```
.text, #text, p{  
    color:rgb(138, 94, 219)  
}
```

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(138, 94, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 94, 219) }
```

Border

The CSS property to change the border of an element to XYZ 27.2701, 18.5232, 69.1559 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(138, 94, 219) }
```


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

```
.border{ border-color:rgb(138, 94, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 94, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 94, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 94, 219);  
box-shadow:4px 4px 4px 4px rgb(138, 94,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2701, 18.5232, 69.1559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 94, 219) }
```

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

```
.background{ background-color: rgb(138, 94,  
219) }
```

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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