

Converting Colors

XYZ(27.4436, 18.7156, 69.5926)

Have a look what the booklet for
XYZ(27.4436, 18.7156, 69.5926)
contains.

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Color

**XYZ(27.4917, 18.7550,
69.8813)**

Conversions

Conversions Part 1

Format	Color
Hex	8A5FDC
RGB	138, 95, 220
RGB Percent	54%, 37%, 86%
CMY	0.4588, 0.6274, 0.1373
CMYK	0.37, 0.57, 0.00, 0.14
HSL	261°, 64%, 62%
HSV	261°, 57%, 86%
XYZ	27.4917, 18.7550, 69.8813
YIQ	122.1070, -14.4970, 47.9910

Conversions

Conversions Part 2

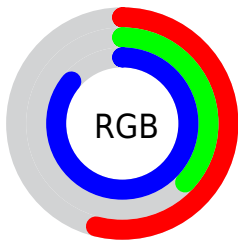
Format	Color
R_{YB}	138, 95, 220
Decimal	9068508
CIE _{Lab}	50.40, 44.46, -58.03
CIE _{LCh}	50, 73.110, 307.457
Yxy	18.7550, 0.2367, 0.1615
Android (android.graphics.Color)	4287258588 (0xFF8A5FDC)
YUV	122.1070, 48.2612, 13.9382
Hunter-Lab	43.3070, 37.5261, -65.3569

Details

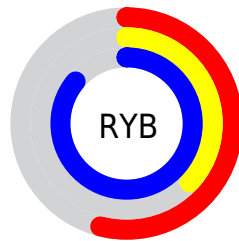
The XYZ color **27.4917, 18.7550, 69.8813** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **45.7902, 61.3600, 20.2572**, and the grayscale version is **18.3851, 19.3426, 21.0641**.

A 20% lighter version of the original color is **50.9894, 39.6895, 99.5812**, and **11.0712, 6.3837, 35.7706** is the 20% darker color. If you saturate the color by 10%, you get **23.5514, 14.1859, 69.2074**, and if you desaturate by 10%, it is **32.3104, 24.6078, 70.7574**.

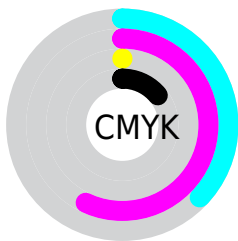
Distribution



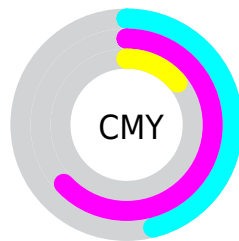
- Red (54%)
- Green (37%)
- Blue (86%)



- 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 27.4917, 18.7550, 69.8813 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 27.4917, 18.7550, 69.8813 by changing the saturation by 10% instead.

■ 27.4917, 18.7550,
69.8813

■ 27.4917, 18.7550,
69.8813

282.1544,
245.0929, 478.9110

■ 18.0813, 11.4934,
50.9536

■ 55.0862, 41.3197,
120.7190

■ 11.1084, 6.3997,
35.7952

■ 74.0011, 57.3916,
153.4660

■ 6.2077, 3.0896,
23.9876

■ 96.8149, 77.1690,
191.6566

■ 3.0136, 1.1787,
15.1123

■ 123.8929,
101.0363, 235.7092

■ 1.1610, 0.0442,
8.7508

155.6005,
129.3780, 286.0424

■ 0.0752, 0.0000,
4.4844

192.3030,

■ 0.0000, 0.0000,

162.5784, 343.0747

1.8947

234.3658,
201.0219, 407.2247

■ 0.0000, 0.0000,
0.4893

■ 0.0000, 0.0000,
0.0000

■ 27.4917, 18.7550,
69.8813

■ 27.4917, 18.7550,
69.8813

■ 23.5514, 14.1859,
69.2074

■ 32.3104, 24.6078,
70.7574

■ 20.4262, 10.7952,
68.7177

■ 38.0595, 31.8341,
71.8492

■ 18.0468, 8.4635,
68.3930

■ 44.7897, 40.5177,
73.1706

■ 16.3260, 7.0369,
68.2083

■ 52.5471, 50.7348,
74.7338

■ 15.8738, 6.6909,
68.1654

■ 61.3746, 62.5564,
76.5504

■ 71.3128, 76.0490,
78.6309

■ 82.3998, 91.2752,
80.9855

■ 89.3529, 97.6558,
81.8506

■ 89.9183, 97.9473,
81.8771

Harmonies

Analogous

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



19.6585, 18.7550, 88.9621



27.4917, 18.7550, 69.8813



33.6539, 18.7550, 39.3915

Triad

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



27.4917, 18.7550, 69.8813



23.5928, 18.7550, 1.4093



7.4220, 18.7550, 25.9313

Complementary

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



27.4917, 18.7550, 69.8813



45.7902, 61.3600, 20.2572

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.



7.9517, 18.7550, 8.7947



27.4917, 18.7550, 69.8813



16.1112, 18.7550, 1.0077

Square

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



27.4917, 18.7550, 69.8813



31.0176, 18.7550, 4.6720



10.7418, 18.7550, 2.4479



9.0323, 18.7550, 54.6523

Rectangle

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



27.4917, 18.7550, 69.8813



35.2524, 18.7550, 22.2062



10.7418, 18.7550, 2.4479



7.3652, 18.7550, 18.7341

Sweetspot

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



27.4925, 18.7557, 69.8818



73.0470, 70.3921, 104.3448



33.6249, 39.5743, 73.5770



15.1418, 14.4129, 22.2339



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.



27.4925, 18.7557, 69.8818



32.0647, 18.8793, 96.5618



40.6084, 25.5171, 70.4956



12.7589, 12.8339, 16.4568



9.4242, 3.9825, 40.0104



0.7013, 0.3048, 2.5963

Inverse Universe

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



41.5435, 26.5748, 44.5343



54.1169, 31.1903, 55.0041



34.8395, 55.7147, 19.7447



13.4142, 13.1948, 15.4422



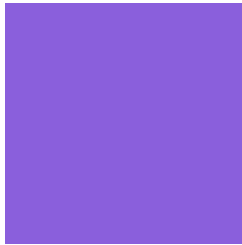
20.3451, 10.1391, 16.7291



1.3580, 0.6728, 1.2939

Previews

White Background



This preview shows how the XYZ color 27.4917, 18.7550, 69.8813 looks on a white background.

Color Contrast Check

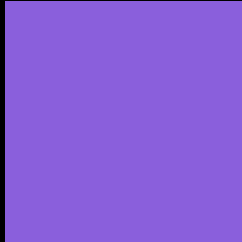
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4917, 18.7550, 69.8813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

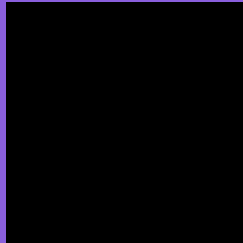
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.4917, 18.7550, 69.8813

Background



This preview shows how black text looks on a background with the XYZ color 27.4917, 18.7550, 69.8813.



This preview shows how white text looks on a background with the XYZ color 27.4917, 18.7550,

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

27.4917, 18.7550, 69.8813

Protanopia

22.8078, 19.1776, 86.5039

Deuteranopia

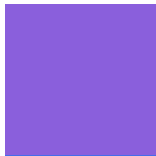
19.5760, 19.0210, 66.2580



Tritanopia

18.0305, 18.6302, 23.4146

Trichromacy



Original Color

27.4917, 18.7550, 69.8813



Protanomaly

22.6681, 17.9308, 80.1082



Deuteranomaly

20.5727, 17.7752, 67.3124



Tritanomaly

20.5550, 18.1205, 36.5967

Monochromacy



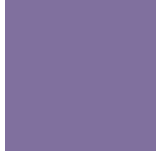
Original Color

27.4917, 18.7550, 69.8813



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

20.8678, 18.6462, 34.8470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4917, 18.7550, 69.8813 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, 95, 220)` looks like.

```
.text, #text, p{  
    color:rgb(138, 95, 220)  
}
```

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, 95, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 95, 220) }
```

Border

The CSS property to change the border of an element to XYZ 27.4917, 18.7550, 69.8813 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, 95, 220) }
```


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

```
.border{ border-color:rgb(138, 95, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 95, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 95, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 95, 220);  
box-shadow:4px 4px 4px 4px rgb(138, 95,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4917, 18.7550, 69.8813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 95, 220) }
```

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

```
.background{ background-color: rgb(138, 95,  
220) }
```

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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