

Converting Colors

XYZ(27.4456, 18.5865, 64.1378)

Have a look what the booklet for
XYZ(27.4456, 18.5865, 64.1378)
contains.

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Color

**XYZ(27.4751, 18.6019,
64.4298)**

Conversions

Conversions Part 1

Format	Color
Hex	915DD4
RGB	145, 93, 212
RGB Percent	57%, 36%, 83%
CMY	0.4314, 0.6353, 0.1686
CMYK	0.32, 0.56, 0.00, 0.17
HSL	266°, 58%, 60%
HSV	266°, 56%, 83%
XYZ	27.4751, 18.6019, 64.4298
YIQ	122.1140, -7.2070, 48.0330

Conversions

Conversions Part 2

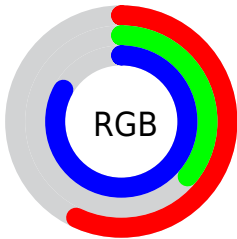
Format	Color
RYB	145, 93, 212
Decimal	9526740
CIELab	50.22, 45.18, -53.74
CIELCh	50, 70.206, 310.053
Yxy	18.6019, 0.2486, 0.1683
Android (android.graphics.Color)	4287716820 (0xFF915DD4)
YUV	122.1140, 44.3138, 20.0710
Hunter-Lab	43.1299, 38.2327, -58.3797

Details

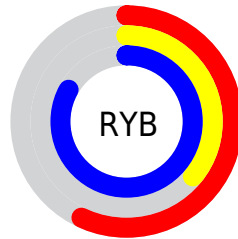
The XYZ color **27.4751, 18.6019, 64.4298** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **40.0166, 55.3511, 18.9311**, and the grayscale version is **18.3981, 19.3563, 21.0790**.

A 20% lighter version of the original color is **52.5325, 40.0274, 99.5650**, and **11.1661, 6.3357, 32.5327** is the 20% darker color. If you saturate the color by 10%, you get **23.8718, 14.3547, 63.8003**, and if you desaturate by 10%, it is **31.8166, 23.9957, 65.2424**.

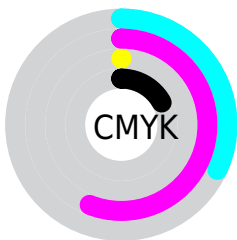
Distribution



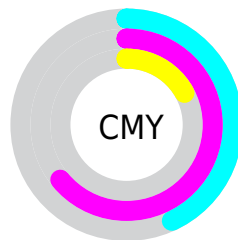
- Red (57%)
- Green (36%)
- Blue (83%)



- Red (57%)
- Yellow (36%)
- Blue (83%)



- Cyan (32%)
- Magenta (56%)
- Yellow (0%)
- Black (17%)



- Cyan (43%)
- Magenta (64%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4751, 18.6019, 64.4298 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 27.4751, 18.6019, 64.4298 by changing the saturation by 10% instead.

■ 27.4751, 18.6019,
64.4298

■ 27.4751, 18.6019,
64.4298

282.0760,
244.2421, 458.9901

■ 18.0688, 11.3830,
46.5505

■ 55.0598, 41.0603,
112.8351

■ 11.0994, 6.3250,
32.3286

■ 73.9690, 57.0686,
144.1982

■ 6.2015, 3.0437,
21.3457

■ 96.7764, 76.7754,
180.8929

■ 3.0098, 1.1546,
13.1833

■ 123.8476,
100.5653, 223.3377

■ 1.1590, 0.0242,
7.4227

155.5477,
128.8224, 271.9514

■ 0.0736, 0.0000,
3.6454

192.2423,

■ 0.0000, 0.0000,

161.9314, 327.1523

1.4329

234.2966,
200.2765, 389.3590

■ 0.0000, 0.0000,
0.1672

■ 0.0000, 0.0000,
0.0000

■ 27.4751, 18.6019,
64.4298

■ 27.4751, 18.6019,
64.4298

■ 23.8718, 14.3547,
63.8003

■ 31.8166, 23.9957,
65.2424

■ 20.9539, 11.1610,
63.3376

■ 36.9393, 30.6150,
66.2501

■ 18.6638, 8.9157,
63.0249

■ 42.8852, 38.5339,
67.4652

■ 16.9303, 7.4872,
62.8406

■ 49.6926, 47.8198,
68.8988

■ 16.3618, 7.0620,
62.7885

■ 57.3970, 58.5354,
70.5610

■ 66.0320, 70.7394,
72.4615

■ 75.6292, 84.4873,
74.6093

■ 83.7455, 94.8846,
76.1884

■ 87.9430, 97.0485,
76.3849

Harmonies

Analogous

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



20.0572, 18.6019, 83.8183



27.4751, 18.6019, 64.4298



32.9988, 18.6019, 35.8624

Triad

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



27.4751, 18.6019, 64.4298



22.5154, 18.6019, 1.5217



7.6943, 18.6019, 27.5020

Complementary

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



27.4751, 18.6019, 64.4298



40.0166, 55.3511, 18.9311

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.



8.0336, 18.6019, 9.9944



27.4751, 18.6019, 64.4298



15.4995, 18.6019, 1.2436

Square

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



27.4751, 18.6019, 64.4298



29.6654, 18.6019, 4.4695



10.5437, 18.6019, 3.0035



9.4562, 18.6019, 55.0680

Rectangle

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



27.4751, 18.6019, 64.4298



34.1996, 18.6019, 20.2197



10.5437, 18.6019, 3.0035



7.5798, 18.6019, 20.2890

Sweetspot

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



27.4759, 18.6026, 64.4302



74.3300, 71.0535, 104.4048



29.0444, 32.3733, 67.0056



15.4433, 14.5683, 22.2480



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.



27.4759, 18.6026, 64.4302



35.4924, 20.9355, 96.7780



40.7186, 25.4294, 65.0500



12.2523, 12.2715, 15.6604



10.2115, 4.4167, 38.7675



0.7100, 0.3149, 2.3427

Inverse Universe

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



37.4112, 24.3642, 35.9884



52.6949, 30.9331, 46.5553



30.8791, 50.6406, 18.5035



12.7131, 12.5368, 14.4296



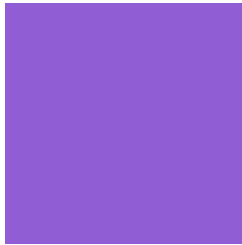
18.8820, 9.4891, 11.9487



1.1801, 0.5888, 0.9379

Previews

White Background



This preview shows how the XYZ color 27.4751, 18.6019, 64.4298 looks on a white background.

Color Contrast Check

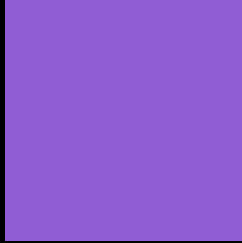
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4751, 18.6019, 64.4298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

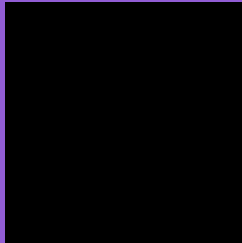
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.4751, 18.6019, 64.4298

Background



This preview shows how black text looks on a background with the XYZ color 27.4751, 18.6019, 64.4298.



This preview shows how white text looks on a background with the XYZ color 27.4751, 18.6019,

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

27.4751, 18.6019, 64.4298

Protanopia

22.3230, 19.0468, 81.0971

Deuteranopia

19.4461, 18.8879, 61.0133



Tritanopia

18.8491, 18.5606, 21.9911

Trichromacy



Original Color

27.4751, 18.6019, 64.4298



Protanomaly

22.6210, 18.0205, 74.9591



Deuteranomaly

20.9074, 17.9014, 62.0279



Tritanomaly

21.2799, 18.2278, 34.2950

Monochromacy



Original Color

27.4751, 18.6019, 64.4298



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

20.8068, 18.4813, 33.4810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4751, 18.6019, 64.4298 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(145, 93, 212)` looks like.

```
.text, #text, p{  
    color:rgb(145, 93, 212)  
}
```

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(145, 93, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 93, 212) }
```

Border

The CSS property to change the border of an element to XYZ 27.4751, 18.6019, 64.4298 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(145, 93, 212) }
```


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

```
.border{ border-color:rgb(145, 93, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 93, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 93, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 93, 212); box-shadow:4px 4px 4px 4px rgb(145, 93, 212) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4751, 18.6019, 64.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 93, 212) }
```

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

```
.background{ background-color: rgb(145, 93,  
212) }
```

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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