

Converting Colors

XYZ(27.2047, 16.9311, 68.1647)

Have a look what the booklet for
XYZ(27.2047, 16.9311, 68.1647)
contains.

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Color

**XYZ(27.2744, 16.9666,
68.1670)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 9151DA |
| RGB | 145, 81, 218 |
| RGB Percent | 57%, 32%, 85% |
| CMY | 0.4314, 0.6823, 0.1451 |
| CMYK | 0.33, 0.63, 0.00, 0.15 |
| HSL | 268°, 65%, 59% |
| HSV | 268°, 63%, 85% |
| XYZ | 27.2744, 16.9666, 68.1670 |
| YIQ | 115.7540, -5.8330, 56.1750 |

Conversions

Conversions Part 2

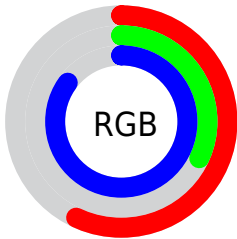
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 145, 81, 218 |
| Decimal | 9523674 |
| CIE _{Lab} | 48.22, 52.99, -60.37 |
| CIE _{LCh} | 48, 80.331, 311.275 |
| Y _{xy} | 16.9666, 0.2426, 0.1509 |
| Android (android.graphics.Color) | 4287713754 (0xFF9151DA) |
| Y _{UV} | 115.7540, 50.4073, 25.6487 |
| Hunter-Lab | 41.1905, 46.1107, -69.2868 |

Details

The XYZ color **27.2744, 16.9666, 68.1670** 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 **39.8831, 57.6071, 16.8022**, and the grayscale version is **16.3781, 17.2311, 18.7646**.

A 20% lighter version of the original color is **51.2037, 36.9667, 99.0443**, and **10.9613, 5.5138, 34.6690** is the 20% darker color. If you saturate the color by 10%, you get **23.9635, 13.2289, 67.6204**, and if you desaturate by 10%, it is **31.3160, 21.8530, 68.8975**.

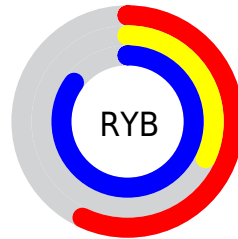
Distribution



Red (57%)

Green (32%)

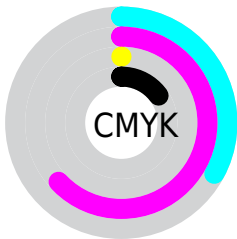
Blue (85%)



Red (57%)

Yellow (32%)

Blue (85%)

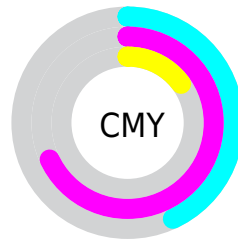


Cyan (33%)

Magenta (63%)

Yellow (0%)

Black (15%)



Cyan (43%)

Magenta (68%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2744, 16.9666, 68.1670 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 27.2744, 16.9666, 68.1670 by changing the saturation by 10% instead.

■ 27.2744, 16.9666,
68.1670

■ 27.2744, 16.9666,
68.1670

281.1267,
234.9798, 472.7016

■ 17.9171, 10.2107,
49.5661

■ 54.7407, 38.2683,
118.2475

■ 10.9898, 5.5389,
34.7000

■ 73.5803, 53.5830,
150.5641

■ 6.1272, 2.5668,
23.1502

■ 96.3114, 72.5192,
188.2898

■ 2.9640, 0.9100,
14.4981

■ 123.2994, 95.4616,
231.8429

■ 1.1347, 0.0000,
8.3252

■ 154.9095,
122.7945, 281.6421

■ 0.0539, 0.0000,
4.2130

191.5072,

■ 0.0000, 0.0000,

154.9022, 338.1060

1.7429

233.4578,
192.1692, 401.6529

■ 0.0000, 0.0000,
0.3899

■ 0.0000, 0.0000,
0.0000

■ 27.2744, 16.9666,
68.1670

■ 27.2744, 16.9666,
68.1670

■ 23.9635, 13.2289,
67.6204

■ 31.3160, 21.8530,
68.8975

■ 21.3229, 10.5312,
67.2389

■ 36.1368, 27.9793,
69.8259

■ 19.2842, 8.7459,
67.0017

■ 41.7836, 35.4294,
70.9663

■ 18.1166, 7.8776,
66.8956

■ 48.2983, 44.2789,
72.3311

■ 55.7199, 54.5980,
73.9317

■ 64.0848, 66.4516,
75.7788

■ 73.4272, 79.9010,
77.8824

■ 83.6512, 94.7469,
80.2091

■ 87.6765, 96.8221,
80.3975

Harmonies

Analogous

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



19.0300, 16.9666, 92.6208



27.2744, 16.9666, 68.1670



33.4127, 16.9666, 34.6224

Triad

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



27.2744, 16.9666, 68.1670



21.0665, 16.9666, 0.4932



5.9042, 16.9666, 27.5033

Complementary

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



27.2744, 16.9666, 68.1670



39.8831, 57.6071, 16.8022

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.



6.1491, 16.9666, 8.3384



27.2744, 16.9666, 68.1670



13.5340, 16.9666, 0.3044

Square

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



27.2744, 16.9666, 68.1670



29.1470, 16.9666, 2.6184



8.5244, 16.9666, 1.7370



7.7085, 16.9666, 59.7197

Rectangle

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



27.2744, 16.9666, 68.1670



34.6294, 16.9666, 17.5936



8.5244, 16.9666, 1.7370



5.7683, 16.9666, 19.3828

Sweetspot

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



27.2752, 16.9672, 68.1674



72.6259, 68.3162, 103.9663



27.6153, 29.9450, 70.6545



14.9137, 13.7501, 22.1179



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.



27.2752, 16.9672, 68.1674



33.0243, 17.6403, 96.2721



43.1641, 25.1583, 68.9110



12.9141, 12.9138, 16.4641



10.9755, 4.7823, 40.0830



0.8099, 0.3608, 2.6014

Inverse Universe

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



37.6888, 23.1237, 33.0484



49.9106, 27.6392, 38.6146



30.3550, 52.6952, 16.3563



13.3446, 13.1669, 15.0758



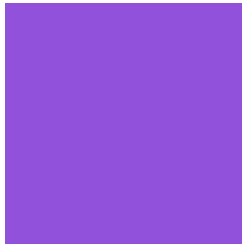
19.2712, 9.7095, 11.0740



1.2919, 0.6464, 0.9460

Previews

White Background



This preview shows how the XYZ color 27.2744, 16.9666, 68.1670 looks on a white background.

Color Contrast Check

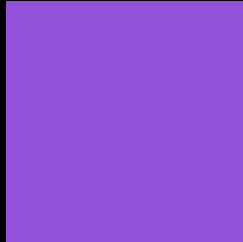
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2744, 16.9666, 68.1670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

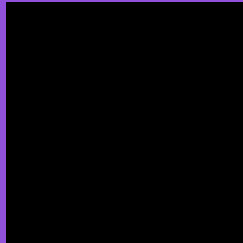
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.2744, 16.9666, 68.1670

Background



This preview shows how black text looks on a background with the XYZ color 27.2744, 16.9666, 68.1670.



This preview shows how white text looks on a background with the XYZ color 27.2744, 16.9666,

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

27.2744, 16.9666, 68.1670

Protanopia

20.5713, 17.1500, 80.8233

Deuteranopia

17.5019, 17.1788, 60.7859



Tritanopia

17.5099, 16.9194, 19.7957

Trichromacy



Original Color

27.2744, 16.9666, 68.1670



Protanomaly

20.0729, 15.3377, 76.0313



Deuteranomaly

18.0514, 15.3107, 62.9766



Tritanomaly

20.0511, 16.2768, 33.0953

Monochromacy



Original Color

27.2744, 16.9666, 68.1670



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

19.3524, 16.5124, 32.3042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2744, 16.9666, 68.1670 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, 81, 218)` looks like.

```
.text, #text, p{  
    color:rgb(145, 81, 218)  
}
```

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, 81, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 81, 218) }
```

Border

The CSS property to change the border of an element to XYZ 27.2744, 16.9666, 68.1670 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, 81, 218) }
```


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

```
.border{ border-color:rgb(145, 81, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 81, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 81, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 81, 218);  
box-shadow:4px 4px 4px 4px rgb(145, 81,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2744, 16.9666, 68.1670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 81, 218) }
```

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

```
.background{ background-color: rgb(145, 81,  
218) }
```

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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