

Converting Colors

XYZ(27.9276, 16.5277, 72.9467)

Have a look what the booklet for
XYZ(27.9276, 16.5277, 72.9467)
contains.

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Color

**XYZ(27.9607, 16.5794,
72.9606)**

Conversions

Conversions Part 1

Format	Color
Hex	924BE1
RGB	146, 75, 225
RGB Percent	57%, 29%, 88%
CMY	0.4274, 0.7059, 0.1176
CMYK	0.35, 0.67, 0.00, 0.12
HSL	268°, 71%, 59%
HSV	268°, 67%, 88%
XYZ	27.9607, 16.5794, 72.9606
YIQ	113.3290, -5.8340, 61.7020

Conversions

Conversions Part 2

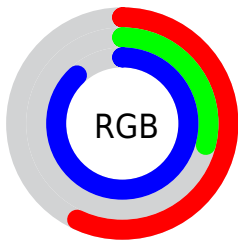
Format	Color
R_{YB}	146, 75, 225
Decimal	9587681
CIE _{Lab}	47.73, 57.86, -65.14
CIE _{LCh}	48, 87.126, 311.611
Yxy	16.5794, 0.2380, 0.1411
Android (android.graphics.Color)	4287777761 (0xFF924BE1)
YUV	113.3290, 55.0538, 28.6525
Hunter-Lab	40.7178, 51.3188, -77.7369

Details

The XYZ color **27.9607, 16.5794, 72.9606** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **41.5217, 61.2287, 16.2869**, and the grayscale version is **15.6372, 16.4516, 17.9157**.

A 20% lighter version of the original color is **50.9460, 35.6375, 98.8013**, and **11.4022, 5.3719, 37.9720** is the 20% darker color. If you saturate the color by 10%, you get **24.6972, 13.0182, 72.4456**, and if you desaturate by 10%, it is **31.9835, 21.3329, 73.6664**.

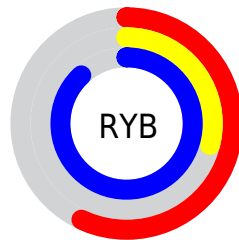
Distribution



Red (57%)

Green (29%)

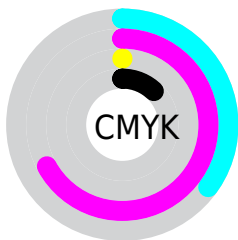
Blue (88%)



Red (57%)

Yellow (29%)

Blue (88%)

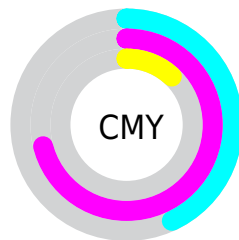


Cyan (35%)

Magenta (67%)

Yellow (0%)

Black (12%)



Cyan (43%)

Magenta (71%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9607, 16.5794, 72.9606 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 27.9607, 16.5794, 72.9606 by changing the saturation by 10% instead.

■ 27.9607, 16.5794,
72.9606

■ 27.9607, 16.5794,
72.9606

284.3626,
232.7368, 489.9454

■ 18.4363, 9.9351,
53.4521

■ 55.8308, 37.6012,
125.1417

■ 11.3653, 5.3559,
37.7736

■ 74.9072, 52.7474,
158.6513

■ 6.3822, 2.4576,
25.5066

■ 97.8984, 71.4965,
197.6652

■ 3.1217, 0.8553,
16.2324

■ 125.1696, 94.2326,
242.6017

■ 1.2184, 0.0000,
9.5326

■ 157.0863,
121.3403, 293.8794

■ 0.1209, 0.0000,
4.9887

194.0138,

■ 0.0000, 0.0000,

153.2040, 351.9169

2.1820

236.3174,
190.2080, 417.1327

■ 0.0000, 0.0000,
0.6639

■ 0.0000, 0.0000,
0.0000

■ 27.9607, 16.5794,
72.9606

■ 27.9607, 16.5794,
72.9606

■ 24.6972, 13.0182,
72.4456

■ 31.9835, 21.3329,
73.6664

■ 22.1241, 10.5247,
72.0999

■ 36.8207, 27.3826,
74.5792

■ 20.1591, 8.9433,
71.8982

■ 42.5244, 34.8227,
75.7147

■ 19.5945, 8.5314,
71.8485

■ 49.1412, 43.7377,
77.0867

56.7141, 54.2054,
78.7080

65.2833, 66.2978,
80.5905

74.8864, 80.0827,
82.7451

85.5584, 95.6220,
85.1820

89.7317, 97.7734,
85.3773

Harmonies

Analogous

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



18.9729, 16.5794, 101.2539



27.9607, 16.5794, 72.9606



34.7003, 16.5794, 35.2721

Triad

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



27.9607, 16.5794, 72.9606



20.9780, 16.5794, 0.0000



5.1609, 16.5794, 28.1480

Complementary

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



27.9607, 16.5794, 72.9606



41.5217, 61.2287, 16.2869

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.



5.3821, 16.5794, 7.6107



27.9607, 16.5794, 72.9606



12.9289, 16.5794, 0.0000

Square

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



27.9607, 16.5794, 72.9606



29.8388, 16.5794, 1.9153



7.7507, 16.5794, 1.2180



6.9954, 16.5794, 64.2238

Rectangle

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



27.9607, 16.5794, 72.9606



36.0024, 16.5794, 16.8718



7.7507, 16.5794, 1.2180



5.0193, 16.5794, 19.2863

Sweetspot

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



27.9615, 16.5800, 72.9610



71.6824, 66.9227, 103.7470



28.2140, 30.3753, 75.6105



14.7329, 13.4808, 22.0755



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.



27.9615, 16.5800, 72.9610



31.3676, 15.8428, 96.0125



45.6222, 25.6844, 73.7875



13.5660, 13.5598, 17.2900



11.4240, 4.9846, 41.4084



0.8947, 0.3985, 2.8750

Inverse Universe

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



39.4004, 23.3731, 33.0064



48.6331, 26.1114, 35.0223



31.5038, 56.0643, 15.8180



14.0073, 13.8206, 15.8087



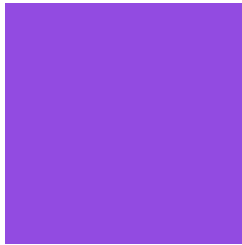
19.8542, 10.0087, 11.1637



1.4213, 0.7118, 1.0117

Previews

White Background



This preview shows how the XYZ color 27.9607, 16.5794, 72.9606 looks on a white background.

Color Contrast Check

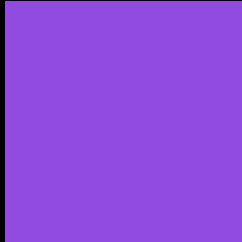
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9607, 16.5794, 72.9606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

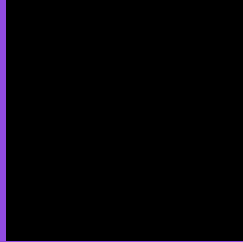
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.9607, 16.5794, 72.9606

Background



This preview shows how black text looks on a background with the XYZ color 27.9607, 16.5794, 72.9606.



This preview shows how white text looks on a background with the XYZ color 27.9607, 16.5794,

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

27.9607, 16.5794, 72.9606

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

16.9061, 16.7551, 58.2201



Tritanopia

16.9917, 16.5067, 19.1202

Trichromacy



Original Color

27.9607, 16.5794, 72.9606



Protanomaly

19.8857, 14.9634, 75.9689



Deuteranomaly

17.7547, 14.7174, 62.8777



Tritanomaly

19.7912, 15.8552, 33.4697

Monochromacy



Original Color

27.9607, 16.5794, 72.9606



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

18.7520, 15.6167, 32.5978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9607, 16.5794, 72.9606 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(146, 75, 225)` looks like.

```
.text, #text, p{  
    color:rgb(146, 75, 225)  
}
```

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(146, 75, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 75, 225) }
```

Border

The CSS property to change the border of an element to XYZ 27.9607, 16.5794, 72.9606 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(146, 75, 225) }
```


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

```
.border{ border-color:rgb(146, 75, 225) }
```

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

Here you see how a box with a 4 pixel rgb(146, 75, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 75, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 75, 225);  
box-shadow:4px 4px 4px 4px rgb(146, 75,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9607, 16.5794, 72.9606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 75, 225) }
```

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

```
.background{ background-color: rgb(146, 75,  
225) }
```

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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