

Converting Colors

XYZ(27.4019, 13.0335, 75.3082)

Have a look what the booklet for
XYZ(27.4019, 13.0335, 75.3082)
contains.

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Color

**XYZ(27.4611, 13.0713,
75.2044)**

Conversions

Conversions Part 1

Format	Color
Hex	981AE5
RGB	152, 26, 229
RGB Percent	60%, 10%, 90%
CMY	0.4039, 0.8980, 0.1020
CMYK	0.34, 0.89, 0.00, 0.10
HSL	277°, 80%, 50%
HSV	277°, 89%, 90%
XYZ	27.4611, 13.0713, 75.2044
YIQ	86.8160, 9.9330, 89.8450

Conversions

Conversions Part 2

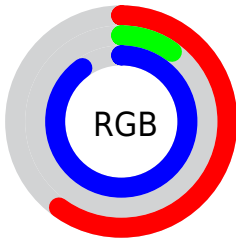
Format	Color
R_{YB}	152, 26, 229
Decimal	9968357
CIE _{Lab}	42.87, 76.79, -75.29
CIE _{LCh}	43, 107.543, 315.566
Yxy	13.0713, 0.2373, 0.1129
Android (android.graphics.Color)	4288158437 (0xFF981AE5)
YUV	86.8160, 70.0967, 57.1664
Hunter-Lab	36.1543, 72.3104, -98.0211

Details

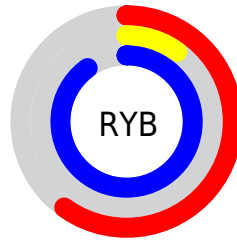
The XYZ color **27.4611, 13.0713, 75.2044** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **33.7992, 58.9969, 10.5835**, and the grayscale version is **8.8733, 9.3354, 10.1662**.

A 20% lighter version of the original color is **49.1157, 29.0458, 97.6254**, and **11.8600, 5.2539, 39.4187** is the 20% darker color. If you saturate the color by 10%, you get **25.5593, 11.5925, 75.0195**, and if you desaturate by 10%, it is **29.8725, 15.3904, 75.5252**.

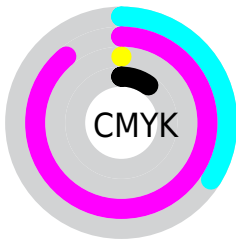
Distribution



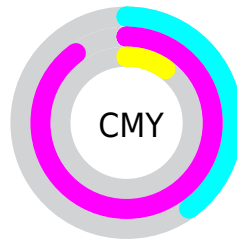
- Red (60%)
- Green (10%)
- Blue (90%)



- Red (60%)
- Yellow (10%)
- Blue (90%)



- Cyan (34%)
- Magenta (89%)
- Yellow (0%)
- Black (10%)





- Cyan (40%)
- Magenta (90%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4611, 13.0713, 75.2044 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 27.4611, 13.0713, 75.2044 by changing the saturation by 10% instead.

 27.4611, 13.0713,
75.2044


 27.4611, 13.0713,
75.2044


282.0098,
211.3741, 497.8940


 18.0582, 7.4777,
55.2776


 55.0376, 31.4318,
128.3514


 11.0917, 3.7626,
39.2239


 73.9419, 44.9675,
162.4087


 6.1963, 1.5417,
26.6248


 96.7440, 61.9193,
202.0133

 3.0066, 0.3178,
17.0617

 123.8094, 82.6716,
247.5837

 1.1573, 0.0000,
10.1161

 155.5033,
107.6089, 299.5384

 0.0722, 0.0000,
5.3694

 192.1911,

 0.0000, 0.0000,

137.1154, 358.2960

2.4031

234.2381,
171.5757, 424.2750

■ 0.0000, 0.0000,
0.7881

■ 0.0000, 0.0000,
0.0000

■ 27.4611, 13.0713,
75.2044

■ 27.4611, 13.0713,
75.2044

■ 25.5593, 11.5925,
75.0195

■ 29.8725, 15.3904,
75.5252

■ 25.3224, 11.4204,
74.9988

■ 32.8902, 18.7428,
76.0133

■ 36.5824, 23.2601,
76.6906

■ 41.0062, 29.0533,
77.5756

46.2122, 36.2201,
78.6846

52.2460, 44.8486,
80.0320

59.1494, 55.0192,
81.6313

66.9614, 66.8064,
83.4947

75.7180, 80.2799,
85.6338

Harmonies

Analogous

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



17.1632, 13.0713, 117.4256



27.4611, 13.0713, 75.2044



34.8591, 13.0713, 28.7489

Triad

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



27.4611, 13.0713, 75.2044



16.7918, 13.0713, 0.0000



2.5742, 13.0713, 30.1514

Complementary

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



27.4611, 13.0713, 75.2044



33.7992, 58.9969, 10.5835

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.



2.5460, 13.0713, 5.6720



27.4611, 13.0713, 75.2044



8.6488, 13.0713, 0.0000

Square

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



27.4611, 13.0713, 75.2044



27.0882, 13.0713, 0.0000



4.2136, 13.0713, 0.0000



4.3219, 13.0713, 77.1391

Rectangle

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



27.4611, 13.0713, 75.2044



35.7096, 13.0713, 10.2799



4.2136, 13.0713, 0.0000



2.4014, 13.0713, 19.0869

Sweetspot

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



27.4618, 13.0717, 75.2047



67.9170, 59.0402, 102.4240



19.5009, 15.7408, 76.1395



13.9326, 11.7596, 21.7855



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.



27.4618, 13.0717, 75.2047



32.2055, 14.5174, 95.7125



43.7404, 21.8200, 59.8649



14.4378, 14.3279, 18.1489



14.6160, 6.6007, 42.8869



1.1826, 0.5406, 3.1740

Inverse Universe

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



35.1308, 18.3762, 14.5269



43.3847, 22.1179, 13.2237



29.0144, 56.4861, 12.3557



14.6020, 14.4580, 16.1047



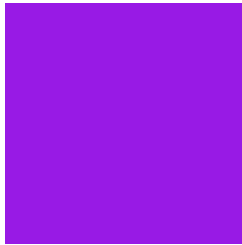
19.5094, 9.9380, 6.3117



1.4857, 0.7520, 0.6985

Previews

White Background



This preview shows how the XYZ color 27.4611, 13.0713, 75.2044 looks on a white background.

Color Contrast Check

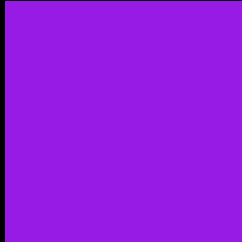
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4611, 13.0713, 75.2044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

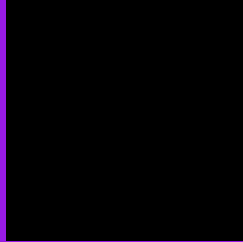
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.4611, 13.0713, 75.2044

Background



This preview shows how black text looks on a background with the XYZ color 27.4611, 13.0713, 75.2044.



This preview shows how white text looks on a background with the XYZ color 27.4611, 13.0713,

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

27.4611, 13.0713, 75.2044

Protanopia

15.6302, 13.2404, 60.7633

Deuteranopia

13.0870, 13.1553, 44.4973



Tritanopia

14.9814, 13.1443, 13.5519

Trichromacy



Original Color

27.4611, 13.0713, 75.2044



Protanomaly

16.1587, 10.3533, 65.4367



Deuteranomaly

14.2380, 10.0123, 54.0055



Tritanomaly

17.5720, 11.5279, 28.4931

Monochromacy



Original Color

27.4611, 13.0713, 75.2044



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

13.1060, 9.0242, 25.4772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4611, 13.0713, 75.2044 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(152, 26, 229)` looks like.

```
.text, #text, p{  
    color:rgb(152, 26, 229)  
}
```

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(152, 26, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 26, 229) }
```

Border

The CSS property to change the border of an element to XYZ 27.4611, 13.0713, 75.2044 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(152, 26, 229) }
```


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

```
.border{ border-color:rgb(152, 26, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 26, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 26, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 26, 229);  
box-shadow:4px 4px 4px 4px rgb(152, 26,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4611, 13.0713, 75.2044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 26, 229) }
```

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

```
.background{ background-color: rgb(152, 26,  
229) }
```

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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