

Converting Colors

XYZ(29.5371, 18.6367, 76.8939)

Have a look what the booklet for
XYZ(29.5371, 18.6367, 76.8939)
contains.

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Color

**XYZ(29.5452, 18.6406,
76.9037)**

Conversions

Conversions Part 1

Format	Color
Hex	9257E6
RGB	146, 87, 230
RGB Percent	57%, 34%, 90%
CMY	0.4274, 0.6588, 0.0980
CMYK	0.37, 0.62, 0.00, 0.10
HSL	265°, 74%, 62%
HSV	265°, 62%, 90%
XYZ	29.5452, 18.6406, 76.9037
YIQ	120.9430, -10.7390, 56.9810

Conversions

Conversions Part 2

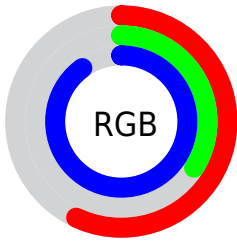
Format	Color
R_{YB}	146, 87, 230
Decimal	9590758
CIE _{Lab}	50.26, 53.08, -63.86
CIE _{LCh}	50, 83.044, 309.733
Yxy	18.6406, 0.2362, 0.1490
Android (android.graphics.Color)	4287780838 (0xFF9257E6)
YUV	120.9430, 53.7651, 21.9750
Hunter-Lab	43.1748, 46.5947, -75.3861

Details

The XYZ color **29.5452, 18.6406, 76.9037** 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 **46.8117, 65.9399, 19.2777**, and the grayscale version is **17.9909, 18.9278, 20.6124**.

A 20% lighter version of the original color is **52.3299, 38.8135, 99.3414**, and **12.1684, 6.2939, 40.1087** is the 20% darker color. If you saturate the color by 10%, you get **25.7096, 14.3256, 76.2734**, and if you desaturate by 10%, it is **34.2593, 24.2891, 77.7459**.

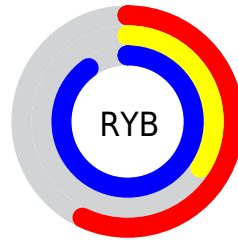
Distribution



Red (57%)

Green (34%)

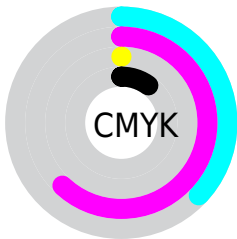
Blue (90%)



Red (57%)

Yellow (34%)

Blue (90%)

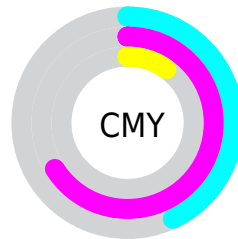


Cyan (37%)

Magenta (62%)

Yellow (0%)

Black (10%)



Cyan (43%)

Magenta (66%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5452, 18.6406, 76.9037 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 29.5452, 18.6406, 76.9037 by changing the saturation by 10% instead.

■ 29.5452, 18.6406,
76.9037

■ 29.5452, 18.6406,
76.9037

291.7268,
244.4574, 503.8646

■ 19.6400, 11.4109,
56.6628

■ 58.3338, 41.1259,
130.7753

■ 12.2404, 6.3439,
40.3270

■ 77.9478, 57.1503,
165.2430

■ 6.9810, 3.0553,
27.4779

■ 101.5289, 76.8750,
205.2901

■ 3.4964, 1.1607,
17.6968

■ 129.4424,
100.6844, 251.3351

■ 1.4214, 0.0292,
10.5654

■ 162.0535,
128.9630, 303.7965

■ 0.2714, 0.0000,
5.6649

199.7277,

■ 0.0000, 0.0000,

162.0951, 363.0928

2.5769

242.8303,
200.4651, 429.6427

■ 0.0000, 0.0000,
0.8805

■ 0.0000, 0.0000,
0.0000

■ 29.5452, 18.6406,
76.9037

■ 29.5452, 18.6406,
76.9037

■ 25.7096, 14.3256,
76.2734

■ 34.2593, 24.2891,
77.7459

■ 22.6815, 11.2200,
75.8335

■ 39.9097, 31.3758,
78.8160

■ 20.3808, 9.1779,
75.5606

■ 46.5515, 39.9970,
80.1299

■ 18.9918, 8.1407,
75.4336

■ 54.2348, 50.2397,
81.7020

63.0057, 62.1845,
83.5453

72.9078, 75.9063,
85.6720

83.9817, 91.4755,
88.0935

90.9471, 98.3201,
89.0475

91.2830, 98.4932,
89.0633

Harmonies

Analogous

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



20.4604, 18.6406, 102.6318



29.5452, 18.6406, 76.9037



36.5279, 18.6406, 39.8116

Triad

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



29.5452, 18.6406, 76.9037



23.6277, 18.6406, 0.6124



6.4338, 18.6406, 28.7358

Complementary

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



29.5452, 18.6406, 76.9037



46.8117, 65.9399, 19.2777

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.



6.8148, 18.6406, 8.5016



29.5452, 18.6406, 76.9037



15.2311, 18.6406, 0.3365

Square

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



29.5452, 18.6406, 76.9037



32.4572, 18.6406, 3.1146



9.5612, 18.6406, 1.7409



8.2921, 18.6406, 63.7673

Rectangle

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



29.5452, 18.6406, 76.9037



38.0995, 18.6406, 20.5034



9.5612, 18.6406, 1.7409



6.3213, 18.6406, 20.0909

Sweetspot

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



29.5461, 18.6412, 76.9042



71.7878, 67.8842, 103.9271



33.1191, 37.5504, 80.3657



14.7121, 13.6462, 22.1085



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.



29.5461, 18.6412, 76.9042



31.1383, 16.6680, 96.1838



45.9219, 27.0833, 77.6705



14.1433, 14.1761, 18.1352



10.8833, 4.6765, 42.7122



0.9077, 0.3989, 3.1611

Inverse Universe

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



43.3922, 26.5800, 41.3709



50.9047, 28.0368, 43.8495



35.4180, 60.0662, 18.7445



14.7304, 14.5093, 16.7804



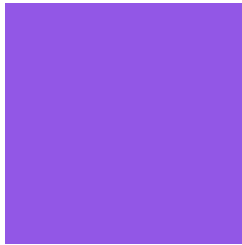
21.0172, 10.5411, 14.2512



1.5990, 0.7973, 1.2951

Previews

White Background



This preview shows how the XYZ color 29.5452, 18.6406, 76.9037 looks on a white background.

Color Contrast Check

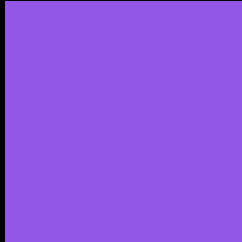
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5452, 18.6406, 76.9037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

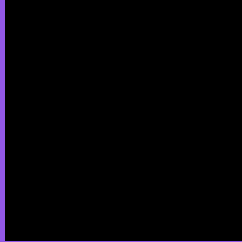
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5452, 18.6406, 76.9037

Background



This preview shows how black text looks on a background with the XYZ color 29.5452, 18.6406, 76.9037.



This preview shows how white text looks on a background with the XYZ color 29.5452, 18.6406,

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

29.5452, 18.6406, 76.9037

Protanopia

22.6122, 18.8540, 88.8336

Deuteranopia

19.2253, 18.8254, 66.9104



Tritanopia

18.4394, 18.5140, 22.3404

Trichromacy



Original Color

29.5452, 18.6406, 76.9037



Protanomaly

22.2480, 17.1513, 84.5760



Deuteranomaly

19.8551, 16.8615, 69.9183



Tritanomaly

21.3706, 17.8939, 37.4495

Monochromacy



Original Color

29.5452, 18.6406, 76.9037



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

21.1076, 18.2563, 36.1295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5452, 18.6406, 76.9037 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, 87, 230)` looks like.

```
.text, #text, p{  
  color:rgb(146, 87, 230)  
}
```

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, 87, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 87, 230) }
```

Border

The CSS property to change the border of an element to XYZ 29.5452, 18.6406, 76.9037 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, 87, 230) }
```


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

```
.border{ border-color:rgb(146, 87, 230) }
```

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

Here you see how a box with a 4 pixel rgb(146, 87, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 87, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 87, 230);  
box-shadow:4px 4px 4px 4px rgb(146, 87,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5452, 18.6406, 76.9037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 87, 230) }
```

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

```
.background{ background-color: rgb(146, 87,  
230) }
```

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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