

Converting Colors

XYZ(29.9226, 18.0983, 73.8677)

Have a look what the booklet for
XYZ(29.9226, 18.0983, 73.8677)
contains.

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Color

**XYZ(29.9226, 18.0983,
73.8677)**

Conversions

Conversions Part 1

Format	Color
Hex	9A50E2
RGB	154, 80, 226
RGB Percent	60%, 31%, 89%
CMY	0.3961, 0.6863, 0.1137
CMYK	0.32, 0.65, 0.00, 0.11
HSL	270°, 72%, 60%
HSV	270°, 65%, 89%
XYZ	29.9226, 18.0983, 73.8677
YIQ	118.7700, -2.7620, 61.0940

Conversions

Conversions Part 2

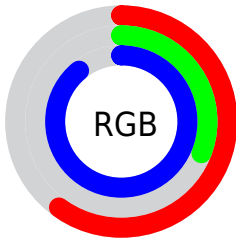
Format	Color
RYB	154, 80, 226
Decimal	10113250
CIELab	49.62, 57.32, -62.61
CIELCh	50, 84.880, 312.474
Yxy	18.0983, 0.2455, 0.1485
Android (android.graphics.Color)	4288303330 (0xFF9A50E2)
YUV	118.7700, 52.8644, 30.8967
Hunter-Lab	42.5421, 51.1019, -73.1683

Details

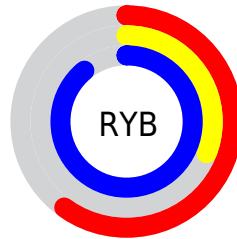
The XYZ color **29.9226, 18.0983, 73.8677** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **41.5931, 61.6474, 17.2967**, and the grayscale version is **17.3018, 18.2028, 19.8229**.

A 20% lighter version of the original color is **53.5889, 37.9921, 99.1165**, and **12.5121, 6.0969, 38.5476** is the 20% darker color. If you saturate the color by 10%, you get **26.5139, 14.2842, 73.3115**, and if you desaturate by 10%, it is **34.0862, 23.1277, 74.6194**.

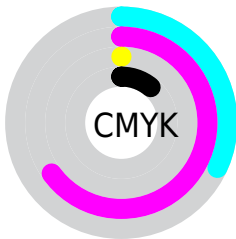
Distribution



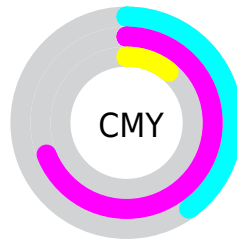
- Red (60%)
- Green (31%)
- Blue (89%)



- Red (60%)
- Yellow (31%)
- Blue (89%)



- Cyan (32%)
- Magenta (65%)
- Yellow (0%)
- Black (11%)



- Cyan (40%)
- Magenta (69%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9226, 18.0983, 73.8677 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 29.9226, 18.0983, 73.8677 by changing the saturation by 10% instead.

■ 29.9226, 18.0983,
73.8677

■ 29.9226, 18.0983,
73.8677

293.4598,
241.4245, 493.1678

■ 19.9276, 11.0206,
54.1896

■ 58.9272, 40.2048,
126.4406

■ 12.4504, 6.0807,
38.3591

■ 78.6676, 56.0023,
160.1724

■ 7.1256, 2.8942,
25.9575

■ 102.3871, 75.4752,
199.4260

■ 3.5878, 1.0768,
16.5664

■ 130.4512, 99.0079,
244.6197

■ 1.4717, 0.0000,
9.7671

■ 163.2251,
126.9848, 296.1723

■ 0.3064, 0.0000,
5.1413

201.0743,

■ 0.0000, 0.0000,

159.7903, 354.5021

2.2702

244.3641,
197.8087, 420.0278

■ 0.0000, 0.0000,
0.7144

■ 0.0000, 0.0000,
0.0000

■ 29.9226, 18.0983,
73.8677

■ 29.9226, 18.0983,
73.8677

■ 26.5139, 14.2842,
73.3115

■ 34.0862, 23.1277,
74.6194

■ 23.7938, 11.5639,
72.9298

■ 39.0576, 29.4737,
75.5823

■ 21.6864, 9.7928,
72.6990

■ 44.8872, 37.2288,
76.7719

■ 20.7390, 9.1056,
72.6163

■ 51.6203, 46.4764,
78.2020

■ 59.2988, 57.2934,
79.8852

■ 67.9615, 69.7511,
81.8332

■ 77.6452, 83.9164,
84.0570

■ 86.5057, 96.0946,
85.9406

■ 90.4730, 98.1398,
86.1263

Harmonies

Analogous

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



20.7686, 18.0983, 102.4899



29.9226, 18.0983, 73.8677



36.6005, 18.0983, 36.3089

Triad

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



29.9226, 18.0983, 73.8677



22.3002, 18.0983, 0.3218



6.0782, 18.0983, 30.9229

Complementary

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



29.9226, 18.0983, 73.8677



41.5931, 61.6474, 17.2967

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.



6.2565, 18.0983, 9.1392



29.9226, 18.0983, 73.8677



14.0688, 18.0983, 0.1864

Square

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



29.9226, 18.0983, 73.8677



31.3408, 18.0983, 2.3664



8.7200, 18.0983, 1.7552



8.1205, 18.0983, 67.3944

Rectangle

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



29.9226, 18.0983, 73.8677



37.7784, 18.0983, 17.8529



8.7200, 18.0983, 1.7552



5.9043, 18.0983, 21.6830

Sweetspot

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



29.9234, 18.0989, 73.8681



73.2437, 68.6348, 103.9952



28.4273, 29.9793, 76.2401



15.0626, 13.8268, 22.1249



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.



29.9234, 18.0989, 73.8681



33.3573, 17.2177, 96.1730



47.9605, 27.3974, 74.7123



13.6110, 13.5830, 17.2921



11.9690, 5.2655, 41.4339



0.9329, 0.4182, 2.8768

Inverse Universe

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



39.9003, 24.1733, 32.2680



48.5071, 26.4373, 33.1985



31.9529, 56.6777, 16.8455



13.9876, 13.8127, 15.7048



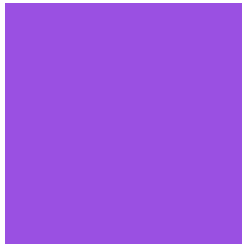
19.6040, 9.9086, 9.8462



1.4040, 0.7049, 0.9203

Previews

White Background



This preview shows how the XYZ color 29.9226, 18.0983, 73.8677 looks on a white background.

Color Contrast Check

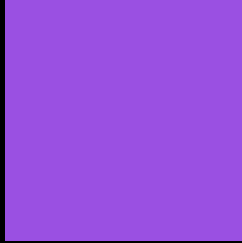
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9226, 18.0983, 73.8677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

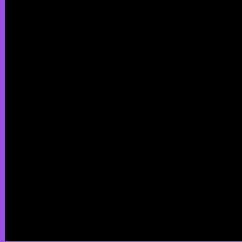
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9226, 18.0983, 73.8677

Background



This preview shows how black text looks on a background with the XYZ color 29.9226, 18.0983, 73.8677.



This preview shows how white text looks on a background with the XYZ color 29.9226, 18.0983,

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

29.9226, 18.0983, 73.8677

Protanopia

22.0443, 18.4454, 86.4029

Tritanopia

19.0769, 18.0371, 20.5652

Trichromacy



Original Color

29.9226, 18.0983, 73.8677



Protanomaly

21.5226, 16.3996, 81.3880



Tritanomaly

21.7997, 17.2803, 34.9873

Monochromacy



Original Color

29.9226, 18.0983, 73.8677



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

20.7389, 17.4773, 34.6282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9226, 18.0983, 73.8677 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(154, 80, 226)` looks like.

```
.text, #text, p{  
    color:rgb(154, 80, 226)  
}
```

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(154, 80, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 80, 226) }
```

Border

The CSS property to change the border of an element to XYZ 29.9226, 18.0983, 73.8677 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(154, 80, 226) }
```

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

```
.border{ border-color:rgb(154, 80, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 80, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 80, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 80, 226);  
box-shadow:4px 4px 4px 4px rgb(154, 80,  
226) }
```


Background

The CSS property to change the background color of an element to XYZ 29.9226, 18.0983, 73.8677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 80, 226) }
```

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

```
.background{ background-color: rgb(154, 80,  
226) }
```

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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