

Converting Colors

XYZ(29.9233, 18.3037, 82.8457)

Have a look what the booklet for
XYZ(29.9233, 18.3037, 82.8457)
contains.

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Color

**XYZ(29.9306, 18.3533,
82.8539)**

Conversions

Conversions Part 1

Format	Color
Hex	8F54EE
RGB	143, 84, 238
RGB Percent	56%, 33%, 93%
CMY	0.4392, 0.6706, 0.0667
CMYK	0.40, 0.65, 0.00, 0.07
HSL	263°, 82%, 63%
HSV	263°, 65%, 93%
XYZ	29.9306, 18.3533, 82.8539
YIQ	119.1970, -14.2700, 60.4020

Conversions

Conversions Part 2

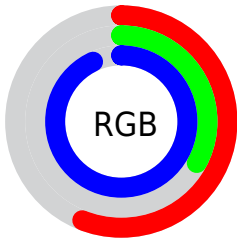
Format	Color
R _Y B	143, 84, 238
Decimal	9393390
CIE Lab	49.92, 56.02, -68.93
CIE LCh	50, 88.828, 309.102
Yxy	18.3533, 0.2282, 0.1400
Android (android.graphics.Color)	4287583470 (0xFF8F54EE)
YUV	119.1970, 58.5699, 20.8752
Hunter-Lab	42.8408, 49.7373, -84.6782

Details

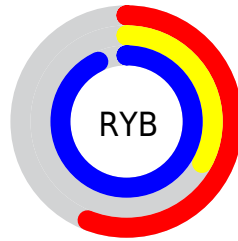
The XYZ color **29.9306, 18.3533, 82.8539** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **50.7648, 71.3729, 19.4885**, and the grayscale version is **17.4213, 18.3286, 19.9598**.

A 20% lighter version of the original color is **51.3528, 37.6679, 99.1718**, and **12.4866, 6.2010, 44.2549** is the 20% darker color. If you saturate the color by 10%, you get **26.0098, 14.0402, 82.2284**, and if you desaturate by 10%, it is **34.8130, 24.0935, 83.7049**.

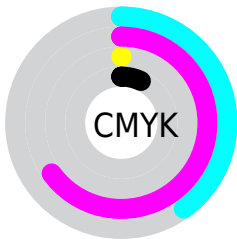
Distribution



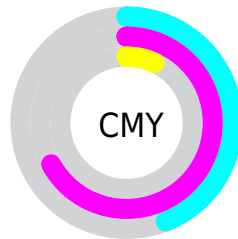
- Red (56%)
- Green (33%)
- Blue (93%)



- Red (56%)
- Yellow (33%)
- Blue (93%)



- Cyan (40%)
- Magenta (65%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (67%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9306, 18.3533, 82.8539 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 29.9306, 18.3533, 82.8539 by changing the saturation by 10% instead.

■ 29.9306, 18.3533,
82.8539

■ 29.9306, 18.3533,
82.8539

293.4965,
242.8549, 524.4577

■ 19.9337, 11.2039,
61.5297

■ 58.9398, 40.6384,
139.2182

■ 12.4549, 6.2042,
44.2195

■ 78.6828, 56.5430,
175.0954

■ 7.1286, 2.9696,
30.5046

■ 102.4053, 76.1347,
216.6608

■ 3.5897, 1.1159,
19.9666

■ 130.4725, 99.7980,
264.3327

■ 1.4728, 0.0000,
12.1870

■ 163.2499,
127.9173, 318.5299

■ 0.3072, 0.0000,
6.7471

201.1028,

■ 0.0000, 0.0000,

160.8770, 379.6707

3.2284

244.3965,
199.0614, 448.1738

■ 0.0000, 0.0000,
1.2124

■ 0.0000, 0.0000,
0.0000

■ 29.9306, 18.3533,
82.8539

■ 29.9306, 18.3533,
82.8539

■ 26.0098, 14.0402,
82.2284

■ 34.8130, 24.0935,
83.7049

■ 22.9686, 11.0126,
81.8043

■ 40.7238, 31.3799,
84.7998

■ 20.7128, 9.1012,
81.5543

■ 47.7262, 40.3204,
86.1564

■ 19.7655, 8.4067,
81.4702

■ 55.8771, 51.0129,
87.7907

65.2294, 63.5472,
89.7171

75.8322, 78.0069,
91.9493

87.7321, 94.4706,
94.4999

92.4327, 98.9531,
95.1174

Harmonies

Analogous

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



20.1623, 18.3533, 111.1331



29.9306, 18.3533, 82.8539



37.6262, 18.3533, 41.7893

Triad

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



29.9306, 18.3533, 82.8539



23.9550, 18.3533, 0.2159



5.7636, 18.3533, 28.3493

Complementary

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



29.9306, 18.3533, 82.8539



50.7648, 71.3729, 19.4885

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.



6.1896, 18.3533, 7.4967



29.9306, 18.3533, 82.8539



14.9822, 18.3533, 0.0000

Square

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



29.9306, 18.3533, 82.8539



33.4692, 18.3533, 2.6057



9.0267, 18.3533, 1.2177



7.5793, 18.3533, 66.4935

Rectangle

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



29.9306, 18.3533, 82.8539



39.4482, 18.3533, 20.7273



9.0267, 18.3533, 1.2177



5.6666, 18.3533, 19.2580

Sweetspot

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



29.9315, 18.3539, 82.8544



71.3405, 67.6536, 103.9061



35.7216, 41.3233, 86.9827



14.6048, 13.5908, 22.1035



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.



29.9315, 18.3539, 82.8544



29.0327, 14.9883, 95.9706



47.3574, 27.3373, 83.6699



15.4698, 15.5239, 19.9027



11.1605, 4.7589, 45.4582



1.0361, 0.4514, 3.7867

Inverse Universe

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



46.5669, 27.7726, 45.5528



50.7749, 27.3444, 45.1405



37.9461, 64.7646, 18.8886



16.1827, 15.9228, 18.5181



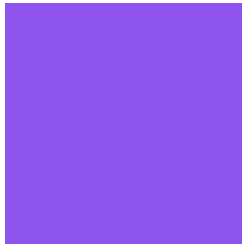
22.6665, 11.3390, 16.6924



1.9340, 0.9627, 1.6435

Previews

White Background



This preview shows how the XYZ color 29.9306, 18.3533, 82.8539 looks on a white background.

Color Contrast Check

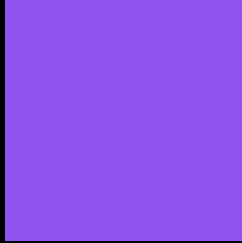
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9306, 18.3533, 82.8539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

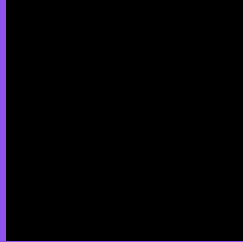
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9306, 18.3533, 82.8539

Background



This preview shows how black text looks on a background with the XYZ color 29.9306, 18.3533, 82.8539.



This preview shows how white text looks on a background with the XYZ color 29.9306, 18.3533,

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

29.9306, 18.3533, 82.8539

Protanopia

22.0443, 18.4454, 86.4029

Deuteranopia

18.5952, 18.3779, 64.1952



Tritanopia

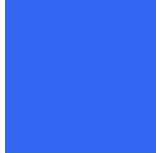
17.7804, 18.3407, 22.6817

Trichromacy



Original Color

29.9306, 18.3533, 82.8539



Protanomaly

22.1436, 16.7814, 85.2911



Deuteranomaly

19.8299, 16.6756, 70.5802



Tritanomaly

20.8815, 17.6101, 38.8577

Monochromacy



Original Color

29.9306, 18.3533, 82.8539



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

20.5777, 17.5059, 36.4768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9306, 18.3533, 82.8539 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(143, 84, 238)` looks like.

```
.text, #text, p{  
    color:rgb(143, 84, 238)  
}
```

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(143, 84, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 84, 238) }
```

Border

The CSS property to change the border of an element to XYZ 29.9306, 18.3533, 82.8539 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(143, 84, 238) }
```


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

```
.border{ border-color:rgb(143, 84, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 84, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 84, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 84, 238);  
box-shadow:4px 4px 4px 4px rgb(143, 84,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9306, 18.3533, 82.8539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 84, 238) }
```

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

```
.background{ background-color: rgb(143, 84,  
238) }
```

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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