

Converting Colors

XYZ(29.7613, 16.4972, 85.2274)

Have a look what the booklet for
XYZ(29.7613, 16.4972, 85.2274)
contains.

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Color

**XYZ(29.8882, 16.5361,
85.6209)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 9243F2 |
| RGB | 146, 67, 242 |
| RGB Percent | 57%, 26%, 95% |
| CMY | 0.4274, 0.7373, 0.0510 |
| CMYK | 0.40, 0.72, 0.00, 0.05 |
| HSL | 267°, 87%, 61% |
| HSV | 267°, 72%, 95% |
| XYZ | 29.8882, 16.5361, 85.6209 |
| YIQ | 110.5710, -9.0910, 71.1730 |

Conversions

Conversions Part 2

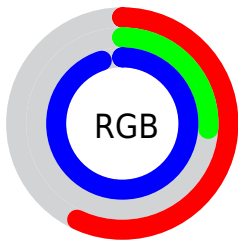
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 146, 67, 242 |
| Decimal | 9585650 |
| CIE Lab | 47.67, 65.57, -74.83 |
| CIE LCh | 48, 99.490, 311.228 |
| Yxy | 16.5361, 0.2263, 0.1252 |
| Android (android.graphics.Color) | 4287775730 (0xFF9243F2) |
| YUV | 110.5710, 64.7945, 31.0712 |
| Hunter-Lab | 40.6646, 60.0332, -96.3722 |

Details

The XYZ color **29.8882, 16.5361, 85.6209** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **47.8691, 71.6961, 16.6261**, and the grayscale version is **14.8070, 15.5781, 16.9646**.

A 20% lighter version of the original color is **50.3410, 34.0166, 98.5203**, and **12.5033, 5.4341, 46.2888** is the 20% darker color. If you saturate the color by 10%, you get **26.5139, 13.0887, 85.1337**, and if you desaturate by 10%, it is **34.1389, 21.3269, 86.3220**.

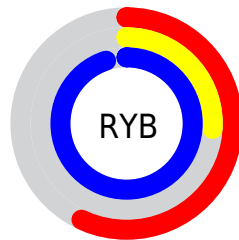
Distribution



Red (57%)

Green (26%)

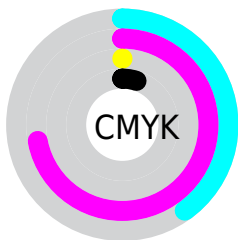
Blue (95%)



Red (57%)

Yellow (26%)

Blue (95%)

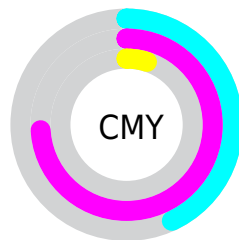


Cyan (40%)

Magenta (72%)

Yellow (0%)

Black (5%)



Cyan (43%)

Magenta (74%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8882, 16.5361, 85.6209 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 29.8882, 16.5361, 85.6209 by changing the saturation by 10% instead.

■ 29.8882, 16.5361,
85.6209

■ 29.8882, 16.5361,
85.6209

293.3022,
232.4847, 533.8784

■ 19.9014, 9.9043,
63.8014

■ 58.8732, 37.5264,
143.1222

■ 12.4312, 5.3356,
46.0447

■ 78.6020, 52.6537,
179.6411

■ 7.1124, 2.4455,
31.9322

■ 102.3090, 71.3817,
221.8969

■ 3.5794, 0.8491,
21.0453

■ 130.3594, 94.0947,
270.3082

■ 1.4671, 0.0000,
12.9656

■ 163.1185,
121.1771, 325.2934

■ 0.3033, 0.0000,
7.2744

200.9518,

■ 0.0000, 0.0000,

153.0133, 387.2712

3.5533

244.2246,
189.9877, 456.6600

■ 0.0000, 0.0000,
1.3836

■ 0.0000, 0.0000,
0.1289

■ 29.8882, 16.5361,
85.6209

■ 29.8882, 16.5361,
85.6209

■ 26.5139, 13.0887,
85.1337

■ 34.1389, 21.3269,
86.3220

■ 23.9235, 10.8173,
84.8318

■ 39.3388, 27.5974,
87.2582

■ 22.3646, 9.6780,
84.6941

■ 45.5552, 35.4683,
88.4498

■ 52.8478, 45.0470,
89.9143

61.2713, 56.4312,
91.6677

70.8765, 69.7113,
93.7248

81.7108, 84.9714,
96.0993

92.0059, 98.6644,
98.1997

93.0271, 99.1908,
98.2475

Harmonies

Analogous

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



19.2857, 16.5361, 121.3545



29.8882, 16.5361, 85.6209



38.0914, 16.5361, 38.8001

Triad

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



29.8882, 16.5361, 85.6209



21.8845, 16.5361, 0.0000



4.2061, 16.5361, 29.3175

Complementary

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



29.8882, 16.5361, 85.6209



47.8691, 71.6961, 16.6261

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.



4.4525, 16.5361, 6.3992



29.8882, 16.5361, 85.6209



12.6183, 16.5361, 0.0000

Square

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



29.8882, 16.5361, 85.6209



32.3965, 16.5361, 1.1758



6.9289, 16.5361, 0.5148



6.0479, 16.5361, 73.3753

Rectangle

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



29.8882, 16.5361, 85.6209



39.7484, 16.5361, 16.9765



6.9289, 16.5361, 0.5148



4.0733, 16.5361, 19.0743

Sweetspot

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



29.8891, 16.5366, 85.6213



69.2611, 63.9043, 103.2921



31.4836, 33.8877, 88.8864



14.2429, 12.8844, 21.9862



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.



29.8891, 16.5366, 85.6213



28.3189, 13.3274, 95.6876



51.7204, 27.7911, 86.6430



15.5750, 15.5781, 19.9076



12.1671, 5.2777, 45.5053



1.1253, 0.4973, 3.7909

Inverse Universe

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



45.2359, 25.5360, 37.1938



47.6915, 24.7175, 33.2001



35.7262, 65.4361, 16.0578



16.1356, 15.9040, 18.2704



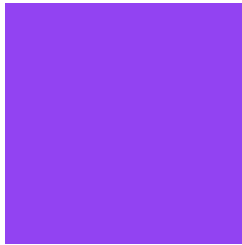
22.0065, 11.0750, 13.2165



1.8808, 0.9414, 1.3633

Previews

White Background



This preview shows how the XYZ color 29.8882, 16.5361, 85.6209 looks on a white background.

Color Contrast Check

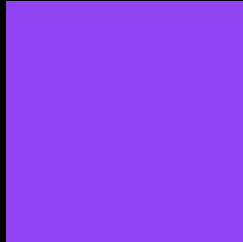
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8882, 16.5361, 85.6209 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 29.8882, 16.5361, 85.6209

Background



This preview shows how black text looks on a background with the XYZ color 29.8882, 16.5361, 85.6209.



This preview shows how white text looks on a background with the XYZ color 29.8882, 16.5361,

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

29.8882, 16.5361, 85.6209

Protanopia

19.7516, 16.6504, 77.0357

Deuteranopia

16.6707, 16.6609, 56.9808



Tritanopia

16.5135, 16.4057, 19.7490

Trichromacy



Original Color

29.8882, 16.5361, 85.6209



Protanomaly

20.3222, 14.7028, 79.6087



Deuteranomaly

18.1016, 14.3985, 66.1151



Tritanomaly

19.7568, 15.3529, 37.0441

Monochromacy



Original Color

29.8882, 16.5361, 85.6209



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

18.6624, 14.9727, 34.7073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8882, 16.5361, 85.6209 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, 67, 242)` looks like.

```
.text, #text, p{  
    color:rgb(146, 67, 242)  
}
```

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, 67, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 67, 242) }
```

Border

The CSS property to change the border of an element to XYZ 29.8882, 16.5361, 85.6209 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, 67, 242) }
```


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

```
.border{ border-color:rgb(146, 67, 242) }
```

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

Here you see how a box with a 4 pixel rgb(146, 67, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 67, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 67, 242);  
box-shadow:4px 4px 4px 4px rgb(146, 67,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8882, 16.5361, 85.6209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 67, 242) }
```

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

```
.background{ background-color: rgb(146, 67,  
242) }
```

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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