

Converting Colors

XYZ(29.8475, 15.0592, 95.9413)

Have a look what the booklet for
XYZ(29.8475, 15.0592, 95.9413)
contains.

XYZ(29.8813, 15.0766, 95.9429)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.8813, 15.0766,
95.9429)**

Conversions

Conversions Part 1

Format	Color
Hex	8B33FF
RGB	139, 51, 255
RGB Percent	55%, 20%, 100%
CMY	0.4549, 0.8000, 0.0000
CMYK	0.45, 0.80, 0.00, 0.00
HSL	266°, 100%, 60%
HSV	266°, 80%, 100%
XYZ	29.8813, 15.0766, 95.9429
YIQ	100.5680, -13.0360, 82.1000

Conversions

Conversions Part 2

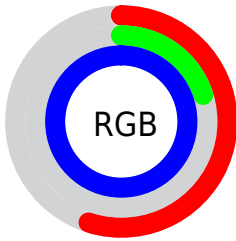
Format	Color
R _Y B	139, 51, 255
Decimal	9122815
CIE Lab	45.74, 73.87, -85.29
CIE LCh	46, 112.834, 310.893
Yxy	15.0766, 0.2121, 0.1070
Android (android.graphics.Color)	4287312895 (0xFF8B33FF)
YUV	100.5680, 76.1350, 33.7049
Hunter-Lab	38.8286, 69.4181, -119.3217

Details

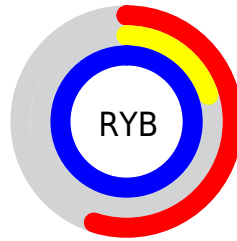
The XYZ color **29.8813, 15.0766, 95.9429** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **52.2925, 79.9738, 15.8122**, and the grayscale version is **12.0724, 12.7011, 13.8315**.

A 20% lighter version of the original color is **47.5000, 30.3626, 97.9648**, and **12.8257, 5.4477, 53.1988** is the 20% darker color. If you saturate the color by 10%, you get **26.7939, 12.2597, 95.5619**, and if you desaturate by 10%, it is **33.9013, 19.2794, 96.5422**.

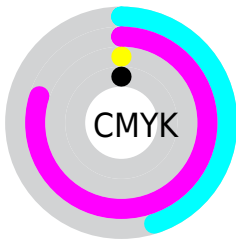
Distribution



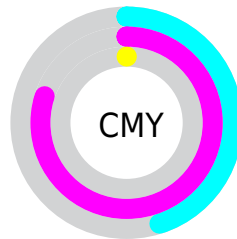
- Red (55%)
- Green (20%)
- Blue (100%)



- Red (55%)
- Yellow (20%)
- Blue (100%)



- Cyan (45%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8813, 15.0766, 95.9429 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 29.8813, 15.0766, 95.9429 by changing the saturation by 10% instead.

 29.8813, 15.0766,
95.9429

 29.8813, 15.0766,
95.9429


293.2705,
223.8294, 568.2404


 19.8961, 8.8732,
72.3188


 58.8623, 34.9875,
157.5734

 12.4274, 4.6585,
52.9307


 78.5889, 49.4638,
196.4168


 7.1097, 2.0483,
37.3601


 102.2933, 67.4664,
241.1705

 3.5778, 0.6353,
25.1885

 130.3409, 89.3798,
292.2528

 1.4661, 0.0000,
15.9972

 163.0971,
115.5885, 350.0825

 0.3026, 0.0000,
9.3679

 200.9272,

 0.0000, 0.0000,

146.4767, 415.0779

4.8818

244.1966,
182.4288, 487.6577

■ 0.0000, 0.0000,
2.1206

■ 0.0000, 0.0000,
0.6280

■ 29.8813, 15.0766,
95.9429

■ 29.8813, 15.0766,
95.9429

■ 26.7939, 12.2597,
95.5619

■ 33.9013, 19.2794,
96.5422

■ 24.4814, 10.5355,
95.3510

■ 38.9505, 25.0478,
97.3895

■ 45.1144, 32.5344,
98.5097

■ 52.4676, 41.8727,
99.9246

■ 61.0777, 53.1827,
101.6539

■ 71.0069, 66.5740,
103.7153

■ 82.3127, 82.1479,
106.1255

95.0493, 99.9991,
108.8999

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



18.0579, 15.0766, 139.5501



29.8813, 15.0766, 95.9429



39.3753, 15.0766, 40.1177

Triad

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



29.8813, 15.0766, 95.9429



21.1626, 15.0766, 0.0000



2.8489, 15.0766, 28.3893

Complementary

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



29.8813, 15.0766, 95.9429



52.2925, 79.9738, 15.8122

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.



3.0853, 15.0766, 4.5716



29.8813, 15.0766, 95.9429



11.1538, 15.0766, 0.0000

Square

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



29.8813, 15.0766, 95.9429



32.9968, 15.0766, 0.3491



5.4028, 15.0766, 0.0000



4.4955, 15.0766, 79.7908

Rectangle

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



29.8813, 15.0766, 95.9429



41.3738, 15.0766, 15.6154



5.4028, 15.0766, 0.0000



2.7392, 15.0766, 17.2433

Sweetspot

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



29.8821, 15.0770, 95.9429



66.8736, 60.9618, 102.8499



33.7898, 36.6730, 99.9054



13.5646, 12.0400, 21.8590



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.



29.8821, 15.0770, 95.9429



25.3376, 11.1412, 95.4228



54.4936, 27.7647, 97.0947



17.7462, 17.7609, 22.7428



12.9553, 5.5892, 49.8306



1.3837, 0.6072, 4.8576

Inverse Universe

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



49.3982, 26.4173, 39.0515



46.8069, 23.6639, 30.6990



38.7413, 72.9879, 15.1780



18.4421, 18.1602, 20.9455



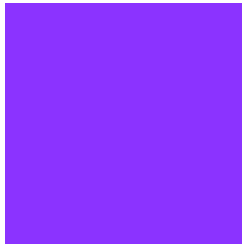
24.2954, 12.2074, 15.4717



2.4204, 1.2105, 1.7951

Previews

White Background



This preview shows how the XYZ color 29.8813, 15.0766, 95.9429 looks on a white background.

Color Contrast Check

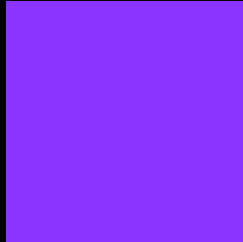
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8813, 15.0766, 95.9429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

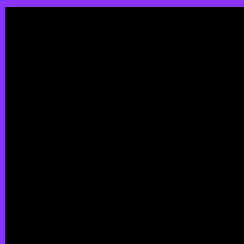
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.8813, 15.0766, 95.9429

Background



This preview shows how black text looks on a background with the XYZ color 29.8813, 15.0766, 95.9429.



This preview shows how white text looks on a background with the XYZ color 29.8813, 15.0766,

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

29.8813, 15.0766, 95.9429

Protanopia

17.8686, 15.0679, 69.6768

Deuteranopia

14.8697, 15.0430, 50.2640



Tritanopia

14.3406, 14.9893, 18.6604

Trichromacy



Original Color

29.8813, 15.0766, 95.9429



Protanomaly

19.3217, 13.0840, 78.5979



Deuteranomaly

16.9479, 12.6527, 64.4997



Tritanomaly

17.7194, 13.3883, 38.2095

Monochromacy



Original Color

29.8813, 15.0766, 95.9429



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

16.2493, 12.2657, 33.4094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8813, 15.0766, 95.9429 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(139, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 51, 255)  
}
```

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(139, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.8813, 15.0766, 95.9429 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(139, 51, 255) }
```


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

```
.border{ border-color:rgb(139, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8813, 15.0766, 95.9429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 51, 255) }
```

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

```
.background{ background-color: rgb(139, 51,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor