

Converting Colors

XYZ(29.4794, 13.1121, 95.5849)

Have a look what the booklet for
XYZ(29.4794, 13.1121, 95.5849)
contains.

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Color

**XYZ(29.5516, 13.1493,
95.5883)**

Conversions

Conversions Part 1

Format	Color
Hex	9000FF
RGB	144, 0, 255
RGB Percent	56%, 0%, 100%
CMY	0.4353, 1.0000, 0.0000
CMYK	0.44, 1.00, 0.00, 0.00
HSL	274°, 100%, 50%
HSV	274°, 100%, 100%
XYZ	29.5516, 13.1493, 95.5883
YIQ	72.1260, 3.9690, 109.8330

Conversions

Conversions Part 2

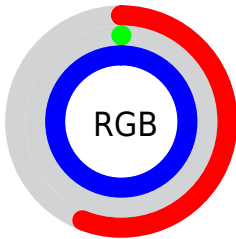
Format	Color
RYB	144, 0, 255
Decimal	9437439
CIELab	42.99, 84.47, -89.80
CIElCh	43, 123.288, 313.248
Yxy	13.1493, 0.2137, 0.0951
Android (android.graphics.Color)	4287627519 (0xFF9000FF)
YUV	72.1260, 90.1569, 63.0335
Hunter-Lab	36.2620, 82.0097, -130.9079

Details

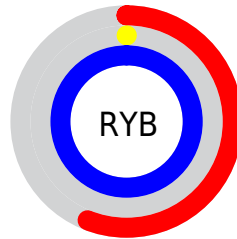
The XYZ color **29.5516, 13.1493, 95.5883** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **42.3149, 74.8992, 12.2268**, and the grayscale version is **6.0317, 6.3458, 6.9106**.

A 20% lighter version of the original color is **47.1099, 27.1410, 97.3635**, and **13.2199, 5.6509, 53.2173** is the 20% darker color. If you saturate the color by 10%, you get **29.5524, 13.1497, 95.5883**, and if you desaturate by 10%, it is **31.9460, 14.9157, 95.8030**.

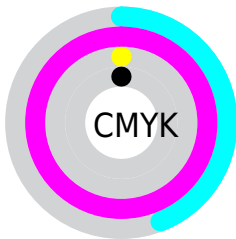
Distribution



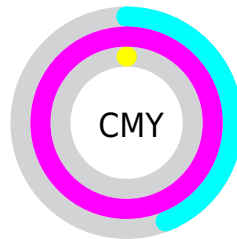
- Red (56%)
- Green (0%)
- Blue (100%)



- Red (56%)
- Yellow (0%)
- Blue (100%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5516, 13.1493, 95.5883 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 29.5516, 13.1493, 95.5883 by changing the saturation by 10% instead.

■ 29.5516, 13.1493,
95.5883

■ 29.5516, 13.1493,
95.5883

291.7562,
211.8723, 567.0790

■ 19.6449, 7.5314,
72.0251

■ 58.3438, 31.5717,
157.0797

■ 12.2439, 3.7966,
52.6922

■ 77.9601, 45.1451,
195.8450

■ 6.9834, 1.5605,
37.1711

■ 101.5435, 62.1391,
240.5147

■ 3.4980, 0.3307,
25.0432

■ 129.4595, 82.9381,
291.5074

■ 1.4222, 0.0000,
15.8899

■ 162.0734,
107.9266, 349.2417

■ 0.2720, 0.0000,
9.2928

■ 199.7506,

■ 0.0000, 0.0000,

137.4888, 414.1360

4.8332

242.8564,
172.0093, 486.6089

■ 0.0000, 0.0000,
2.0927

■ 0.0000, 0.0000,
0.6114

■ 29.5516, 13.1493,
95.5883

■ 29.5516, 13.1493,
95.5883

■ 29.5524, 13.1497,
95.5883

■ 31.9460, 14.9157,
95.8030

■ 35.0025, 17.7167,
96.1826

■ 38.8697, 21.8408,
96.7748

■ 43.6398, 27.4654,
97.6090

■ 49.3908, 34.7392,
98.7099

■ 56.1913, 43.7926,
100.0990

■ 64.1029, 54.7426,
101.7955

■ 73.1822, 67.6959,
103.8172

■ 83.4816, 82.7510,
106.1803

Harmonies

Analogous

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



17.1447, 13.1493, 148.3270



29.5516, 13.1493, 95.5883



39.2417, 13.1493, 35.1790

Triad

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



29.5516, 13.1493, 95.5883



18.5046, 13.1493, 0.0000



1.8398, 13.1493, 29.8719

Complementary

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



29.5516, 13.1493, 95.5883



42.3149, 74.8992, 12.2268

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.



1.9211, 13.1493, 3.9428



29.5516, 13.1493, 95.5883



8.7774, 13.1493, 0.0000

Square

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



29.5516, 13.1493, 95.5883



30.9686, 13.1493, 0.0000



3.7215, 13.1493, 0.0000



3.3819, 13.1493, 87.8273

Rectangle

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



29.5516, 13.1493, 95.5883



40.8551, 13.1493, 11.5650



3.7215, 13.1493, 0.0000



1.7159, 13.1493, 17.4750

Sweetspot

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



29.5524, 13.1497, 95.5883



64.1029, 54.7426, 101.7955



24.1523, 19.4245, 97.0841



12.9769, 10.6780, 21.6271



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.



29.5524, 13.1497, 95.5883



57.3046, 27.6858, 86.5250



17.9847, 17.8838, 22.7540



15.6163, 6.9610, 49.9551



1.6459, 0.7424, 4.8698

Inverse Universe

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



44.1090, 22.4076, 17.0378



35.8310, 71.5484, 12.2941



18.3377, 18.1184, 20.3955



23.1197, 11.7372, 9.2805



2.3047, 1.1643, 1.1862

Previews

White Background



This preview shows how the XYZ color 29.5516, 13.1493, 95.5883 looks on a white background.

Color Contrast Check

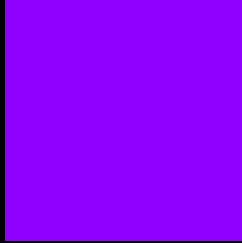
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5516, 13.1493, 95.5883 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 29.5516, 13.1493, 95.5883

Background



This preview shows how black text looks on a background with the XYZ color 29.5516, 13.1493, 95.5883.



This preview shows how white text looks on a background with the XYZ color 29.5516, 13.1493,

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

29.5516, 13.1493, 95.5883

Protanopia

15.9705, 13.5271, 62.0909

Deuteranopia

13.2907, 13.5627, 44.5652



Tritanopia

13.5461, 13.3002, 15.7632

Trichromacy



Original Color

29.5516, 13.1493, 95.5883

Protanomaly

16.9211, 9.7761, 72.9466

Deuteranomaly

14.6858, 9.2494, 60.0428

Tritanomaly

16.2366, 10.2658, 34.8439

Monochromacy



Original Color

29.5516, 13.1493, 95.5883

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.6742, 6.4147, 25.1017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5516, 13.1493, 95.5883 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(144, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 0, 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(144, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.5516, 13.1493, 95.5883 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(144, 0, 255) }
```

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

```
.border{ border-color:rgb(144, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5516, 13.1493, 95.5883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 0, 255) }
```

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

```
.background{ background-color: rgb(144, 0,  
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](#).

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