

Converting Colors

XYZ(31.3022, 15.3316, 95.9172)

Have a look what the booklet for
XYZ(31.3022, 15.3316, 95.9172)
contains.

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Color

**XYZ(31.3083, 15.3373,
95.9180)**

Conversions

Conversions Part 1

Format	Color
Hex	952BFF
RGB	149, 43, 255
RGB Percent	58%, 17%, 100%
CMY	0.4157, 0.8314, 0.0000
CMYK	0.42, 0.83, 0.00, 0.00
HSL	270°, 100%, 58%
HSV	270°, 83%, 100%
XYZ	31.3083, 15.3373, 95.9180
YIQ	98.8620, -4.8760, 88.4040

Conversions

Conversions Part 2

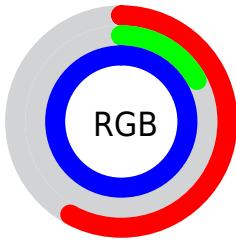
Format	Color
R _Y B	149, 43, 255
Decimal	9776127
CIE Lab	46.09, 77.67, -84.67
CIE LCh	46, 114.896, 312.532
Yxy	15.3373, 0.2196, 0.1076
Android (android.graphics.Color)	4287966207 (0xFF952BFF)
YUV	98.8620, 76.9760, 43.9710
Hunter-Lab	39.1629, 74.1647, -117.7995

Details

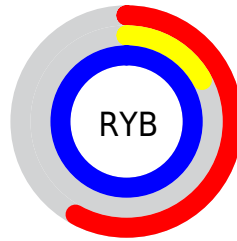
The XYZ color **31.3083, 15.3373, 95.9180** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **48.5895, 78.0835, 14.7961**, and the grayscale version is **11.6394, 12.2456, 13.3354**.

A 20% lighter version of the original color is **49.8643, 30.9695, 97.9573**, and **13.8244, 5.9625, 53.2456** is the 20% darker color. If you saturate the color by 10%, you get **28.4531, 12.8922, 95.5965**, and if you desaturate by 10%, it is **34.9978, 19.0706, 96.4441**.

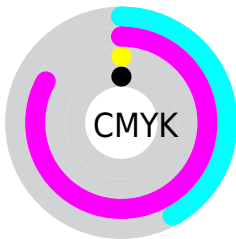
Distribution



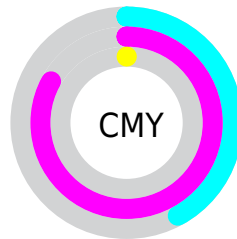
- Red (58%)
- Green (17%)
- Blue (100%)



- Red (58%)
- Yellow (17%)
- Blue (100%)



- Cyan (42%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (83%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3083, 15.3373, 95.9180 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 31.3083, 15.3373, 95.9180 by changing the saturation by 10% instead.


 31.3083, 15.3373,
95.9180


 31.3083, 15.3373,
95.9180


299.7577,
225.3988, 568.1589


 20.9867, 9.0565,
72.2982


 61.0977, 35.4438,
157.5387

 13.2267, 4.7780,
52.9140


 81.2962, 50.0383,
196.3767


 7.6629, 2.1176,
37.3468


 105.5177, 68.1728,
241.1244

 3.9300, 0.6745,
25.1782

 134.1275, 90.2316,
292.2005

 1.6626, 0.0000,
15.9897

 167.4911,
116.5993, 350.0235

 0.4327, 0.0000,
9.3626

 205.9738,

 0.0000, 0.0000,

147.6601, 415.0118

4.8784

249.9409,
183.7985, 487.5841

■ 0.0000, 0.0000,
2.1186

■ 0.0000, 0.0000,
0.6268

■ 31.3083, 15.3373,
95.9180

■ 31.3083, 15.3373,
95.9180

■ 28.4531, 12.8922,
95.5965

■ 34.9978, 19.0706,
96.4441

■ 26.8780, 11.7710,
95.4631

■ 39.6206, 24.2819,
97.2064

■ 45.2619, 31.1295,
98.2308

■ 51.9953, 39.7503,
99.5399

■ 59.8871, 50.2660,
101.1537

■ 68.9976, 62.7877,
103.0904

■ 79.3825, 77.4175,
105.3669

■ 91.0942, 94.2503,
107.9987

■ 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.



19.0425, 15.3373, 143.3787



31.3083, 15.3373, 95.9180



40.8205, 15.3373, 38.5977

Triad

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



31.3083, 15.3373, 95.9180



20.9707, 15.3373, 0.0000



2.8580, 15.3373, 31.2939

Complementary

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



31.3083, 15.3373, 95.9180



48.5895, 78.0835, 14.7961

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.



3.0016, 15.3373, 5.2010



31.3083, 15.3373, 95.9180



10.8717, 15.3373, 0.0000

Square

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



31.3083, 15.3373, 95.9180



33.2506, 15.3373, 0.1259



5.2131, 15.3373, 0.0000



4.6579, 15.3373, 85.7938

Rectangle

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



31.3083, 15.3373, 95.9180



42.5274, 15.3373, 14.4355



5.2131, 15.3373, 0.0000



2.7157, 15.3373, 19.1891

Sweetspot

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



31.3091, 15.3377, 95.9180



67.2058, 60.2988, 102.7044



29.7936, 29.2284, 98.6791



13.6868, 11.9436, 21.8339



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.



31.3091, 15.3377, 95.9180



26.8780, 11.7710, 95.4631



60.1539, 30.2077, 97.2680



17.8684, 17.8239, 22.7485



14.2165, 6.2394, 49.8896



1.5101, 0.6724, 4.8635

Inverse Universe

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



47.5282, 25.1575, 30.7824



45.1030, 22.8052, 22.2725



37.1923, 72.2080, 14.2627



18.3882, 18.1386, 20.6612



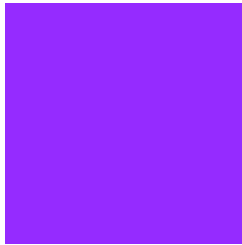
23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 31.3083, 15.3373, 95.9180 looks on a white background.

Color Contrast Check

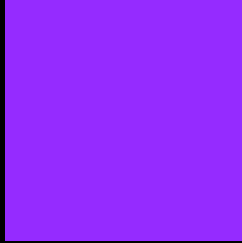
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3083, 15.3373, 95.9180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

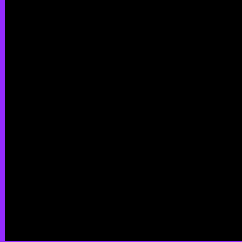
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.3083, 15.3373, 95.9180

Background



This preview shows how black text looks on a background with the XYZ color 31.3083, 15.3373, 95.9180.



This preview shows how white text looks on a background with the XYZ color 31.3083, 15.3373,

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

31.3083, 15.3373, 95.9180

Protanopia

18.2364, 15.3771, 71.1142

Deuteranopia

15.1981, 15.3499, 51.4520



Tritanopia

15.5601, 15.1696, 18.0275

Trichromacy



Original Color

31.3083, 15.3373, 95.9180



Protanomaly

19.3899, 12.7594, 79.2827



Deuteranomaly

17.0671, 12.4557, 65.1230



Tritanomaly

18.8621, 13.4183, 37.1932

Monochromacy



Original Color

31.3083, 15.3373, 95.9180



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

16.1329, 11.7742, 32.8748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3083, 15.3373, 95.9180 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(149, 43, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 43, 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(149, 43, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 43, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.3083, 15.3373, 95.9180 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(149, 43, 255) }
```


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

```
.border{ border-color:rgb(149, 43, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 43, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 43, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 43, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 43,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3083, 15.3373, 95.9180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 43, 255) }
```

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

```
.background{ background-color: rgb(149, 43,  
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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