

Converting Colors

XYZ(31.0479, 15.1596, 95.8974)

Have a look what the booklet for
XYZ(31.0479, 15.1596, 95.8974)
contains.

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Color

**XYZ(31.0907, 15.1718,
95.8975)**

Conversions

Conversions Part 1

Format	Color
Hex	942AFF
RGB	148, 42, 255
RGB Percent	58%, 16%, 100%
CMY	0.4196, 0.8353, 0.0000
CMYK	0.42, 0.84, 0.00, 0.00
HSL	270°, 100%, 58%
HSV	270°, 84%, 100%
XYZ	31.0907, 15.1718, 95.8975
YIQ	97.9760, -5.1970, 88.7150

Conversions

Conversions Part 2

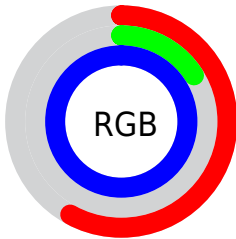
Format	Color
R _Y B	148, 42, 255
Decimal	9710335
CIE _{Lab}	45.87, 77.83, -85.04
CIE _{LCh}	46, 115.282, 312.467
Yxy	15.1718, 0.2187, 0.1067
Android (android.graphics.Color)	4287900415 (0xFF942AFF)
YUV	97.9760, 77.4128, 43.8710
Hunter-Lab	38.9510, 74.3145, -118.7065

Details

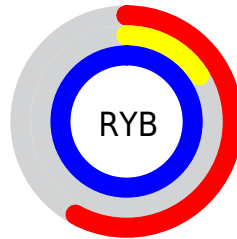
The XYZ color **31.0907, 15.1718, 95.8975** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **48.5712, 78.0762, 14.7006**, and the grayscale version is **11.4189, 12.0136, 13.0828**.

A 20% lighter version of the original color is **49.4786, 30.6221, 97.9106**, and **13.7342, 5.9160, 53.2414** is the 20% darker color. If you saturate the color by 10%, you get **28.2659, 12.7727, 95.5833**, and if you desaturate by 10%, it is **34.7474, 18.8516, 96.4151**.

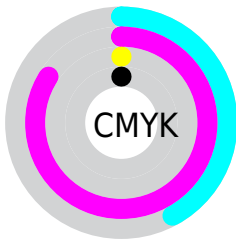
Distribution



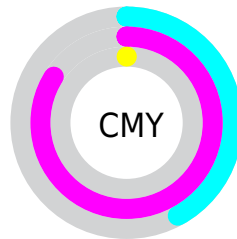
- Red (58%)
- Green (16%)
- Blue (100%)



- Red (58%)
- Yellow (16%)
- Blue (100%)



- Cyan (42%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0907, 15.1718, 95.8975 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 31.0907, 15.1718, 95.8975 by changing the saturation by 10% instead.

 31.0907, 15.1718,
95.8975


 31.0907, 15.1718,
95.8975


298.7754,
224.4037, 568.0918


 20.8201, 8.9400,
72.2812


 60.7577, 35.1543,
157.5102

 13.1043, 4.7021,
52.9002


 80.8848, 49.6738,
196.3436

 7.5779, 2.0736,
37.3359


 105.0281, 67.7247,
241.0865

 3.8756, 0.6497,
25.1698

 133.5530, 89.6914,
292.1574

 1.6320, 0.0000,
15.9835

 166.8248,
115.9582, 349.9749

 0.4131, 0.0000,
9.3582

 205.2089,

 0.0000, 0.0000,

146.9096, 414.9574

4.8756

249.0707,
182.9300, 487.5235

■ 0.0000, 0.0000,
2.1170

■ 0.0000, 0.0000,
0.6259

■ 31.0907, 15.1718,
95.8975

■ 31.0907, 15.1718,
95.8975

■ 28.2659, 12.7727,
95.5833

■ 34.7474, 18.8516,
96.4151

■ 26.7887, 11.7250,
95.4590

■ 39.3360, 24.0040,
97.1677

■ 44.9423, 30.7880,
98.1817

■ 51.6405, 39.3414,
99.4796

■ 59.4970, 49.7865,
101.0817

■ 68.5726, 62.2348,
103.0061

■ 78.9233, 76.7886,
105.2697

■ 90.6015, 93.5434,
107.8882

■ 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.



18.8459, 15.1718, 143.4151



31.0907, 15.1718, 95.8975



40.6139, 15.1718, 38.4786

Triad

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



31.0907, 15.1718, 95.8975



20.8200, 15.1718, 0.0000



2.7831, 15.1718, 30.9887

Complementary

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



31.0907, 15.1718, 95.8975



48.5712, 78.0762, 14.7006

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.



2.9285, 15.1718, 5.0673



31.0907, 15.1718, 95.8975



10.7483, 15.1718, 0.0000

Square

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



31.0907, 15.1718, 95.8975



33.0828, 15.1718, 0.0874



5.1206, 15.1718, 0.0000



4.5564, 15.1718, 85.4846

Rectangle

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



31.0907, 15.1718, 95.8975



42.3359, 15.1718, 14.3200



5.1206, 15.1718, 0.0000



2.6440, 15.1718, 18.9334

Sweetspot

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



31.0915, 15.1722, 95.8976



67.1597, 60.2751, 102.7023



30.2411, 30.1848, 98.8401



13.6759, 11.9379, 21.8334



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.



31.0915, 15.1722, 95.8976



26.7887, 11.7250, 95.4590



58.8239, 29.4688, 97.1954



17.8642, 17.8217, 22.7483



14.1696, 6.2152, 49.8874



1.5055, 0.6700, 4.8633

Inverse Universe

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



47.4923, 25.0856, 30.7702



45.1424, 22.8209, 22.4795



37.2844, 72.2576, 14.1724



18.3900, 18.1393, 20.6709



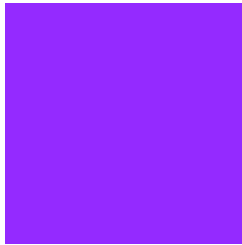
23.6633, 11.9546, 12.1433



2.3592, 1.1860, 1.4727

Previews

White Background



This preview shows how the XYZ color 31.0907, 15.1718, 95.8975 looks on a white background.

Color Contrast Check

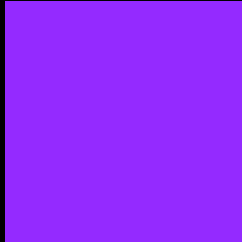
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0907, 15.1718, 95.8975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

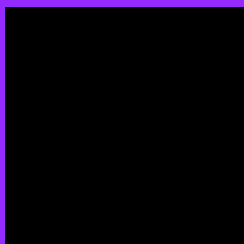
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.0907, 15.1718, 95.8975

Background



This preview shows how black text looks on a background with the XYZ color 31.0907, 15.1718, 95.8975.



This preview shows how white text looks on a background with the XYZ color 31.0907, 15.1718,

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

31.0907, 15.1718, 95.8975

Protanopia

18.1027, 15.3236, 70.4102

Deuteranopia

14.9787, 15.0866, 50.8377



Tritanopia

15.2347, 15.0084, 17.7167

Trichromacy



Original Color

31.0907, 15.1718, 95.8975

Protanomaly

19.2466, 12.7020, 78.5281

Deuteranomaly

16.9867, 12.2949, 65.0962

Tritanomaly

18.7109, 13.3404, 37.1861

Monochromacy



Original Color

31.0907, 15.1718, 95.8975

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

15.8432, 11.5283, 32.4005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0907, 15.1718, 95.8975 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(148, 42, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 42, 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(148, 42, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 42, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.0907, 15.1718, 95.8975 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(148, 42, 255) }
```


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

```
.border{ border-color:rgb(148, 42, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 42, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 42, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 42, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 42,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0907, 15.1718, 95.8975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 42, 255) }
```

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

```
.background{ background-color: rgb(148, 42,  
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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