

Converting Colors

XYZ(37.1602, 19.0539,
123.7233)

Have a look what the booklet for
XYZ(37.1602, 19.0539, 123.7233)
contains.

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Color

**XYZ(31.9854, 16.9611,
96.1958)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 943EFF |
| RGB | 148, 62, 255 |
| RGB Percent | 58%, 24%, 100% |
| CMY | 0.4196, 0.7569, 0.0000 |
| CMYK | 0.42, 0.76, 0.00, 0.00 |
| HSL | 267°, 100%, 62% |
| HSV | 267°, 76%, 100% |
| XYZ | 31.9854, 16.9611, 96.1958 |
| YIQ | 109.7160, -10.6970, 78.2550 |

Conversions

Conversions Part 2

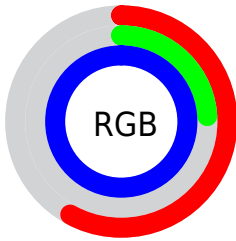
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 148, 62, 255 |
| Decimal | 9715455 |
| CIE _{Lab} | 48.21, 71.01, -81.20 |
| CIE _{LCh} | 48, 107.871, 311.170 |
| Yxy | 16.9611, 0.2204, 0.1169 |
| Android (android.graphics.Color) | 4287905535 (0xFF943EFF) |
| YUV | 109.7160, 71.6250, 33.5751 |
| Hunter-Lab | 41.1839, 66.5601, -109.6588 |

Details

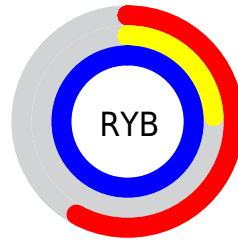
The XYZ color **31.9854, 16.9611, 96.1958** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **52.9905, 80.3022, 17.2643**, and the grayscale version is **14.5445, 15.3019, 16.6638**.

A 20% lighter version of the original color is **50.8229, 33.7322, 98.4400**, and **13.8244, 5.9625, 53.2456** is the 20% darker color. If you saturate the color by 10%, you get **28.5067, 13.5697, 95.7245**, and if you desaturate by 10%, it is **36.4279, 21.8138, 96.8983**.

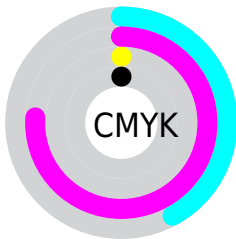
Distribution



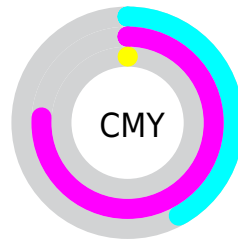
- Red (58%)
- Green (24%)
- Blue (100%)



- Red (58%)
- Yellow (24%)
- Blue (100%)



- Cyan (42%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (76%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9854, 16.9611, 96.1958 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 31.9854, 16.9611, 96.1958 by changing the saturation by 10% instead.

 31.9854, 16.9611,
96.1958


 31.9854, 16.9611,
96.1958


302.7992,
234.9481, 569.0680


 21.5058, 10.2068,
72.5283


 62.1535, 38.2589,
157.9254


 13.6088, 5.5363,
53.1008


 82.5728, 53.5711,
196.8245


 7.9290, 2.5652,
37.4950


 107.0361, 72.5048,
241.6379

 4.1010, 0.9092,
25.2922

 135.9087, 95.4442,
292.7841

 1.7594, 0.0000,
16.0739

 169.5559,
122.7739, 350.6817

 0.4930, 0.0000,
9.4215

208.3432,

 0.0000, 0.0000,

154.8782, 415.7492

4.9166

252.6358,
192.1414, 488.4051

■ 0.0000, 0.0000,
2.1405

■ 0.0000, 0.0000,
0.6397

■ 31.9854, 16.9611,
96.1958

■ 31.9854, 16.9611,
96.1958

■ 28.5067, 13.5697,
95.7245

■ 36.4279, 21.8138,
96.8983

■ 25.8783, 11.4333,
95.4506

■ 41.9226, 28.2927,
97.8592

■ 24.9419, 10.7729,
95.3725

■ 48.5493, 36.5413,
99.1021

■ 56.3786, 46.6862,
100.6476

65.4749, 58.8422,
102.5145

75.8974, 73.1148,
104.7201

87.7014, 89.6018,
107.2803

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.



20.0552, 16.9611, 138.1844



31.9854, 16.9611, 96.1958



41.3519, 16.9611, 41.9450

Triad

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



31.9854, 16.9611, 96.1958



23.0022, 16.9611, 0.0000



3.7983, 16.9611, 31.0238

Complementary

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



31.9854, 16.9611, 96.1958



52.9905, 80.3022, 17.2643

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.



4.0524, 16.9611, 5.9493



31.9854, 16.9611, 96.1958



12.7382, 16.9611, 0.0000

Square

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



31.9854, 16.9611, 96.1958



34.8799, 16.9611, 0.8467



6.6239, 16.9611, 0.1344



5.6878, 16.9611, 81.6725

Rectangle

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



31.9854, 16.9611, 96.1958



43.2636, 16.9611, 17.3871



6.6239, 16.9611, 0.1344



3.6652, 16.9611, 19.5923

Sweetspot

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



31.9863, 16.9616, 96.1958



68.1422, 62.4644, 103.0731



34.6688, 37.5086, 100.0204



13.8223, 12.3350, 21.9023



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.



31.9863, 16.9616, 96.1958



27.0123, 12.2936, 95.5569



56.4363, 29.5660, 97.3400



17.7714, 17.7739, 22.7440



13.1983, 5.7145, 49.8420



1.4085, 0.6200, 4.8587

Inverse Universe

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



50.1235, 27.5696, 40.2130



47.1796, 24.1245, 31.7011



39.5207, 73.3583, 16.6340



18.4309, 18.1557, 20.8864



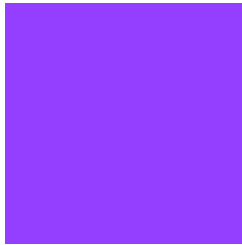
24.1516, 12.1499, 14.7146



2.4066, 1.2050, 1.7226

Previews

White Background



This preview shows how the XYZ color 31.9854, 16.9611, 96.1958 looks on a white background.

Color Contrast Check

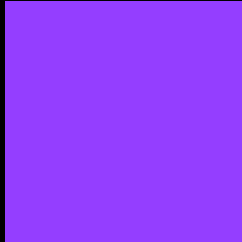
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9854, 16.9611, 96.1958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

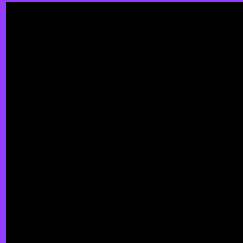
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.9854, 16.9611, 96.1958

Background



This preview shows how black text looks on a background with the XYZ color 31.9854, 16.9611, 96.1958.



This preview shows how white text looks on a background with the XYZ color 31.9854, 16.9611,

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

31.9854, 16.9611, 96.1958

Protanopia

20.1414, 16.9781, 78.5595

Deuteranopia

16.9039, 16.9396, 57.6371



Tritanopia

16.5815, 16.7507, 20.4484

Trichromacy



Original Color

31.9854, 16.9611, 96.1958



Protanomaly

21.1638, 14.9042, 84.1994



Deuteranomaly

18.8472, 14.5541, 70.2225



Tritanomaly

20.1605, 15.4969, 39.9588

Monochromacy



Original Color

31.9854, 16.9611, 96.1958



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

18.8374, 14.7581, 36.5061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9854, 16.9611, 96.1958 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, 62, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 62, 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, 62, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 62, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.9854, 16.9611, 96.1958 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, 62, 255) }
```


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

```
.border{ border-color:rgb(148, 62, 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, 62, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 62, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 62, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 62,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9854, 16.9611, 96.1958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 62, 255) }
```

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

```
.background{ background-color: rgb(148, 62,  
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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