

Converting Colors

XYZ(31.4170, 17.6478, 96.3582)

Have a look what the booklet for
XYZ(31.4170, 17.6478, 96.3582)
contains.

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Color

**XYZ(31.4170, 17.6478,
96.3582)**

Conversions

Conversions Part 1

Format	Color
Hex	8D49FF
RGB	141, 73, 255
RGB Percent	55%, 29%, 100%
CMY	0.4470, 0.7137, 0.0000
CMYK	0.45, 0.71, 0.00, 0.00
HSL	262°, 100%, 64%
HSV	262°, 71%, 100%
XYZ	31.4170, 17.6478, 96.3582
YIQ	114.0800, -17.8940, 71.0180

Conversions

Conversions Part 2

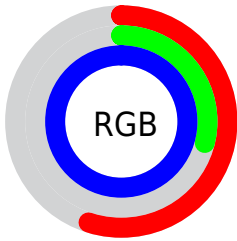
Format	Color
R_{YB}	141, 73, 255
Decimal	9259519
CIE _{Lab}	49.07, 65.25, -79.83
CIE _{LCh}	49, 103.109, 309.261
Yxy	17.6478, 0.2160, 0.1214
Android (android.graphics.Color)	4287449599 (0xFF8D49FF)
YUV	114.0800, 69.4736, 23.6088
Hunter-Lab	42.0093, 59.9765, -106.5891

Details

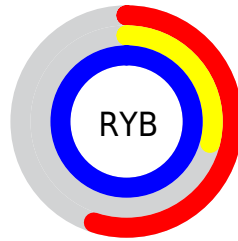
The XYZ color **31.4170, 17.6478, 96.3582** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **57.4551, 82.5653, 19.2119**, and the grayscale version is **15.8212, 16.6451, 18.1265**.

A 20% lighter version of the original color is **49.9965, 34.9553, 98.7197**, and **13.2583, 5.8483, 53.2534** is the 20% darker color. If you saturate the color by 10%, you get **27.5489, 13.6557, 95.7916**, and if you desaturate by 10%, it is **36.3647, 23.2151, 97.1721**.

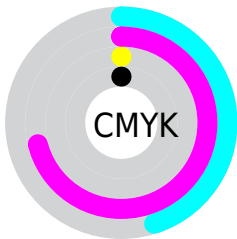
Distribution



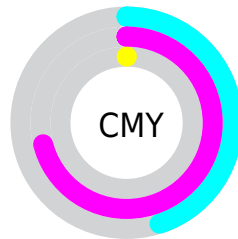
- Red (55%)
- Green (29%)
- Blue (100%)



- Red (55%)
- Yellow (29%)
- Blue (100%)



- Cyan (45%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4170, 17.6478, 96.3582 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 31.4170, 17.6478, 96.3582 by changing the saturation by 10% instead.


 31.4170, 17.6478,
96.3582


 31.4170, 17.6478,
96.3582


300.2476,
238.8783, 569.5991


 21.0700, 10.6974,
72.6628


 61.2674, 39.4363,
158.1514


 13.2879, 5.8638,
53.2101


 81.5015, 55.0431,
197.0862


 7.7055, 2.7624,
37.5817


 105.7619, 74.3043,
241.9380

 3.9573, 1.0090,
25.3589

 134.4141, 97.6042,
293.1251

 1.6780, 0.0000,
16.1232

 167.8234,
125.3271, 351.0663

 0.4424, 0.0000,
9.4561

206.3552,

 0.0000, 0.0000,

157.8575, 416.1800

4.9390

250.3748,
195.5798, 488.8847

■ 0.0000, 0.0000,
2.1534

■ 0.0000, 0.0000,
0.6473

■ 31.4170, 17.6478,
96.3582

■ 31.4170, 17.6478,
96.3582

■ 27.5489, 13.6557,
95.7916

■ 36.3647, 23.2151,
97.1721

■ 24.6511, 11.0489,
95.4411

■ 42.4799, 30.5138,
98.2586

■ 22.7986, 9.6680,
95.2722

■ 49.8433, 39.6822,
99.6402

■ 58.5272, 50.8440,
101.3369

■ 68.5979, 64.1116,
103.3670

■ 80.1169, 79.5893,
105.7474

■ 93.1419, 97.3741,
108.4937

■ 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.



19.9306, 17.6478, 133.2884



31.4170, 17.6478, 96.3582



40.7056, 17.6478, 44.7464

Triad

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



31.4170, 17.6478, 96.3582



24.2147, 17.6478, 0.0000



4.3386, 17.6478, 29.0656

Complementary

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



31.4170, 17.6478, 96.3582



57.4551, 82.5653, 19.2119

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.



4.7391, 17.6478, 5.8974



31.4170, 17.6478, 96.3582



13.9691, 17.6478, 0.0000

Square

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



31.4170, 17.6478, 96.3582



35.5623, 17.6478, 1.4068



7.5785, 17.6478, 0.3330



6.1401, 17.6478, 76.0314

Rectangle

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



31.4170, 17.6478, 96.3582



42.9062, 17.6478, 19.9069



7.5785, 17.6478, 0.3330



4.2421, 17.6478, 18.5402

Sweetspot

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



31.4179, 17.6483, 96.3583



69.0005, 64.6477, 103.4493



38.8380, 44.7170, 101.1920



14.1401, 13.0019, 22.0143



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.



31.4179, 17.6483, 96.3583



26.0945, 12.2902, 95.6047



53.3016, 28.9297, 97.3824



17.6442, 17.7083, 22.7380



12.0640, 5.1297, 49.7889



1.2907, 0.5593, 4.8532

Inverse Universe

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



52.5918, 29.6128, 49.9552



49.4103, 25.5231, 41.8870



41.9209, 74.5571, 18.4849



18.4880, 18.1785, 21.1867



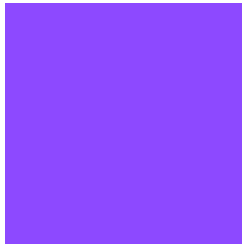
24.9262, 12.4598, 18.7935



2.4799, 1.2343, 2.1088

Previews

White Background



This preview shows how the XYZ color 31.4170, 17.6478, 96.3582 looks on a white background.

Color Contrast Check

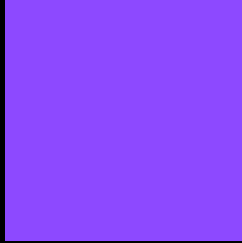
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4170, 17.6478, 96.3582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

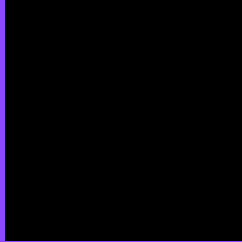
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4170, 17.6478, 96.3582

Background



This preview shows how black text looks on a background with the XYZ color 31.4170, 17.6478, 96.3582.



This preview shows how white text looks on a background with the XYZ color 31.4170, 17.6478,

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

31.4170, 17.6478, 96.3582

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

17.6163, 17.6014, 60.2265



Tritanopia

16.4339, 17.4801, 22.2465

Trichromacy



Original Color

31.4170, 17.6478, 96.3582



Protanomaly

22.0621, 15.9708, 87.5078



Deuteranomaly

19.4359, 15.5343, 71.7861



Tritanomaly

20.0817, 16.3894, 41.6402

Monochromacy



Original Color

31.4170, 17.6478, 96.3582



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

19.5656, 15.9254, 37.6400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4170, 17.6478, 96.3582 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(141, 73, 255)` looks like.

```
.text, #text, p{  
    color:rgb(141, 73, 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(141, 73, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 73, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.4170, 17.6478, 96.3582 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(141, 73, 255) }
```


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

```
.border{ border-color:rgb(141, 73, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 73, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 73, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 73, 255);  
box-shadow:4px 4px 4px 4px rgb(141, 73,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4170, 17.6478, 96.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 73, 255) }
```

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

```
.background{ background-color: rgb(141, 73,  
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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