

Converting Colors

XYZ(53.8404, 33.2669,
122.1384)

Have a look what the booklet for
XYZ(53.8404, 33.2669, 122.1384)
contains.

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Color

**XYZ(49.2508, 31.4227,
98.0771)**

Conversions

Conversions Part 1

Format	Color
Hex	CF6DFF
RGB	207, 109, 255
RGB Percent	81%, 43%, 100%
CMY	0.1882, 0.5725, 0.0000
CMYK	0.19, 0.57, 0.00, 0.00
HSL	280°, 100%, 71%
HSV	280°, 57%, 100%
XYZ	49.2508, 31.4227, 98.0771
YIQ	154.9460, 11.5420, 66.1820

Conversions

Conversions Part 2

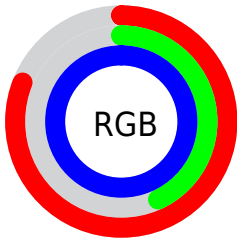
Format	Color
R _Y B	207, 109, 255
Decimal	13594111
CIE Lab	62.86, 61.68, -57.18
CIE LCh	63, 84.104, 317.165
Yxy	31.4227, 0.2755, 0.1758
Android (android.graphics.Color)	4291784191 (0xFFCF6DFF)
YUV	154.9460, 49.3266, 45.6514
Hunter-Lab	56.0560, 58.7323, -64.4963

Details

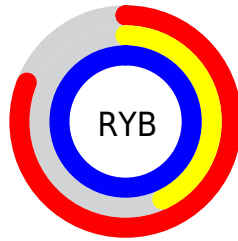
The XYZ color **49.2508, 31.4227, 98.0771** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **52.4254, 79.7924, 27.1075**, and the grayscale version is **30.9184, 32.5285, 35.4236**.

A 20% lighter version of the original color is **72.5655, 55.0309, 101.4052**, and **23.7916, 13.0591, 54.0900** is the 20% darker color. If you saturate the color by 10%, you get **44.6343, 25.5740, 97.1915**, and if you desaturate by 10%, it is **54.7828, 38.9154, 99.2318**.

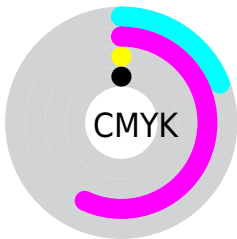
Distribution



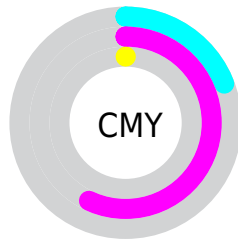
- Red (81%)
- Green (43%)
- Blue (100%)



- Red (81%)
- Yellow (43%)
- Blue (100%)



- Cyan (19%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2508, 31.4227, 98.0771 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 49.2508, 31.4227, 98.0771 by changing the saturation by 10% instead.

 49.2508, 31.4227,
98.0771

 49.2508, 31.4227,
98.0771

374.2294,
308.4810, 575.2038


 35.0338, 20.9209,
74.0877


 88.2623, 61.9050,
160.5409


 23.8556, 13.0662,
54.3686

 113.7876, 82.6542,
199.8524

 15.3507, 7.4742,
38.5013


 143.8130,
107.5882, 245.1084

 9.1538, 3.7604,
26.0671

 178.7038,
137.0911, 296.7273

 4.8995, 1.5404,
16.6476

218.8256,
171.5475, 355.1278

 2.2226, 0.3169,
9.8243

264.5435,

 0.7546, 0.0000,

211.3416, 420.7284

5.1785

316.2230,
256.8580, 493.9475

■ 0.0000, 0.0000,
2.2918

■ 0.0000, 0.0000,
0.7266

■ 49.2508, 31.4227,
98.0771

■ 49.2508, 31.4227,
98.0771

■ 44.6343, 25.5740,
97.1915

■ 54.7828, 38.9154,
99.2318

■ 40.8575, 21.2241,
96.5510

■ 61.2905, 48.1735,
100.6758

■ 37.8369, 18.2076,
96.1279

■ 68.8329, 59.3105,
102.4279

■ 35.4636, 16.3099,
95.8867

■ 77.4627, 72.4297,
104.5054

■ 34.8810, 15.8967,
95.8377

■ 87.2289, 87.6264,
106.9239

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.



36.8982, 31.4227, 137.7882



49.2508, 31.4227, 98.0771



57.1145, 31.4227, 50.3443

Triad

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



49.2508, 31.4227, 98.0771



35.0665, 31.4227, 2.1393



13.2978, 31.4227, 56.5799

Complementary

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



49.2508, 31.4227, 98.0771



52.4254, 79.7924, 27.1075

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.



13.0467, 31.4227, 21.9595



49.2508, 31.4227, 98.0771



23.7899, 31.4227, 2.3409

Square

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



49.2508, 31.4227, 98.0771



47.6160, 31.4227, 5.5816



16.3809, 31.4227, 6.6568



17.1874, 31.4227, 105.0826

Rectangle

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



49.2508, 31.4227, 98.0771



57.7032, 31.4227, 26.8903



16.3809, 31.4227, 6.6568



12.8287, 31.4227, 42.7596

Sweetspot

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



49.2520, 31.4239, 98.0773



77.6959, 72.7887, 104.5623



36.5277, 34.8125, 99.4020



16.2386, 14.9783, 22.2852



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.



49.2520, 31.4239, 98.0773



43.9162, 24.7105, 97.0627



61.0859, 37.9489, 79.4605



18.1783, 17.9836, 22.7630



18.3902, 8.3910, 50.0849



1.9059, 0.8764, 4.8820

Inverse Universe

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



52.7950, 34.6325, 35.8010



48.5474, 28.6623, 26.6010



46.3241, 76.4742, 34.6319



18.2556, 18.0855, 19.9631



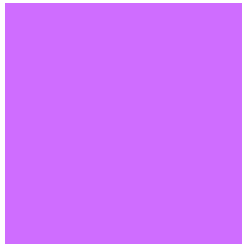
22.4425, 11.4663, 5.7147



2.2331, 1.1356, 0.8089

Previews

White Background



This preview shows how the XYZ color 49.2508, 31.4227, 98.0771 looks on a white background.

Color Contrast Check

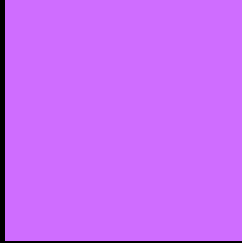
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.2508, 31.4227, 98.0771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

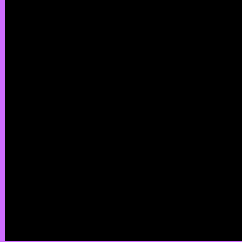
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2508, 31.4227, 98.0771

Background



This preview shows how black text looks on a background with the XYZ color 49.2508, 31.4227, 98.0771.

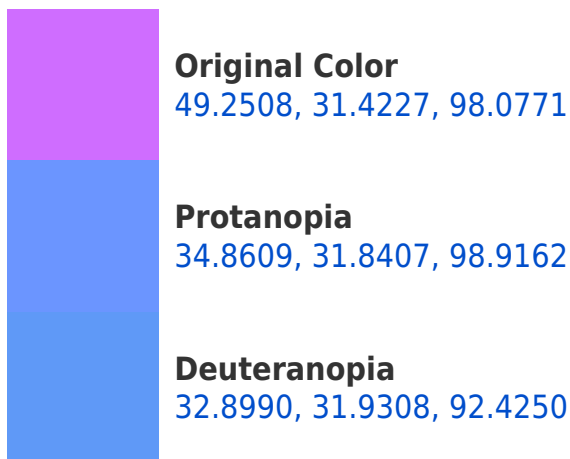


This preview shows how white text looks on a background with the XYZ color 49.2508, 31.4227,

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





Tritanopia

35.9196, 31.3914, 32.1830

Trichromacy



Original Color

49.2508, 31.4227, 98.0771



Protanomaly

37.9028, 30.1098, 98.4218



Deuteranomaly

36.3543, 30.0277, 94.3223



Tritanomaly

39.5850, 30.6369, 50.8409

Monochromacy



Original Color

49.2508, 31.4227, 98.0771



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

35.9480, 30.9372, 53.3670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2508, 31.4227, 98.0771 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(207, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 109, 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(207, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 109, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.2508, 31.4227, 98.0771 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(207, 109, 255) }
```


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

```
.border{ border-color:rgb(207, 109, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 109, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 109, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 109, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 109,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2508, 31.4227, 98.0771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 109, 255) }
```

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

```
.background{ background-color: rgb(207,  
109, 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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