

Converting Colors

XYZ(51.8457, 32.2509,
111.6858)

Have a look what the booklet for
XYZ(51.8457, 32.2509, 111.6858)
contains.

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Color

**XYZ(49.4250, 31.3550,
98.0549)**

Conversions

Conversions Part 1

Format	Color
Hex	D06CFF
RGB	208, 108, 255
RGB Percent	82%, 42%, 100%
CMY	0.1843, 0.5765, 0.0000
CMYK	0.18, 0.58, 0.00, 0.00
HSL	281°, 100%, 71%
HSV	281°, 58%, 100%
XYZ	49.4250, 31.3550, 98.0549
YIQ	154.6580, 12.4130, 66.9170

Conversions

Conversions Part 2

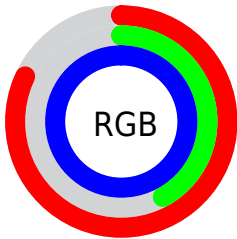
Format	Color
R _{YB}	208, 108, 255
Decimal	13659391
CIE _{Lab}	62.81, 62.39, -57.26
CIE _{LCh}	63, 84.688, 317.454
Yxy	31.3550, 0.2764, 0.1753
Android (android.graphics.Color)	4291849471 (0xFFD06CFF)
YUV	154.6580, 49.4686, 46.7809
Hunter-Lab	55.9955, 59.5626, -64.6270

Details

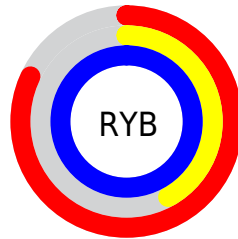
The XYZ color **49.4250, 31.3550, 98.0549** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **51.9848, 79.5715, 26.8074**, and the grayscale version is **30.7907, 32.3943, 35.2774**.

A 20% lighter version of the original color is **72.3872, 54.6744, 101.3457**, and **23.8837, 12.9712, 54.0682** is the 20% darker color. If you saturate the color by 10%, you get **44.8848, 25.5896, 97.1813**, and if you desaturate by 10%, it is **54.8716, 38.7560, 99.1963**.

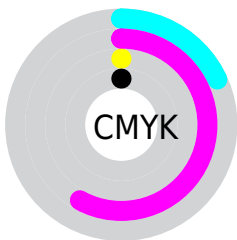
Distribution



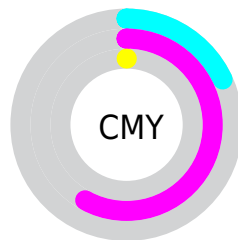
- Red (82%)
- Green (42%)
- Blue (100%)



- Red (82%)
- Yellow (42%)
- Blue (100%)



- Cyan (18%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4250, 31.3550, 98.0549 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 49.4250, 31.3550, 98.0549 by changing the saturation by 10% instead.

49.4250, 31.3550,
98.0549

49.4250, 31.3550,
98.0549

374.9023,
308.1705, 575.1316

35.1727, 20.8693,
74.0693

88.5193, 61.7986,
160.5101

23.9630, 13.0285,
54.3536

114.0919, 82.5252,
199.8167

15.4308, 7.4482,
38.4894

144.1687,
107.4343, 245.0675

9.2106, 3.7439,
26.0579

179.1150,
136.9103, 296.6809

4.9370, 1.5314,
16.6408

219.2962,
171.3375, 355.0755

2.2447, 0.3107,
9.8195

265.0775,

0.7661, 0.0000,

211.1003, 420.6697

5.1754

316.8245,
256.5832, 493.8823

■ 0.0000, 0.0000,
2.2900

■ 0.0000, 0.0000,
0.7256

■ 49.4250, 31.3550,
98.0549

■ 49.4250, 31.3550,
98.0549

■ 44.8848, 25.5896,
97.1813

■ 54.8716, 38.7560,
99.1963

■ 41.1749, 21.3136,
96.5515

■ 61.2849, 47.9142,
100.6260

■ 38.2114, 18.3607,
96.1377

■ 68.7239, 58.9438,
102.3629

■ 35.8824, 16.5097,
95.9032

■ 77.2415, 71.9480,
104.4240

■ 35.3881, 16.1581,
95.8614

■ 86.8866, 87.0225,
106.8253

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.



37.0001, 31.3550, 138.4253



49.4250, 31.3550, 98.0549



57.2846, 31.3550, 49.9699

Triad

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



49.4250, 31.3550, 98.0549



34.9110, 31.3550, 2.0501



13.1944, 31.3550, 57.0901

Complementary

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



49.4250, 31.3550, 98.0549



51.9848, 79.5715, 26.8074

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.



12.9095, 31.3550, 22.0658



49.4250, 31.3550, 98.0549



23.6038, 31.3550, 2.2748

Square

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



49.4250, 31.3550, 98.0549



47.5581, 31.3550, 5.3999



16.2117, 31.3550, 6.6111



17.1278, 31.3550, 106.0739

Rectangle

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



49.4250, 31.3550, 98.0549



57.8179, 31.3550, 26.5104



16.2117, 31.3550, 6.6111



12.7136, 31.3550, 43.1093

Sweetspot

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



49.4262, 31.3562, 98.0551



77.8296, 72.8576, 104.5686



36.2922, 34.5232, 99.3586



16.2703, 14.9947, 22.2867



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.



49.4262, 31.3562, 98.0551



44.3354, 24.9265, 97.0823



60.9563, 37.7273, 79.3014



18.1948, 17.9922, 22.7638



18.6534, 8.5267, 50.0973



1.9301, 0.8889, 4.8831

Inverse Universe

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



52.5195, 34.3525, 34.8734



48.4342, 28.6170, 26.0050



46.1442, 76.3881, 34.3231



18.2487, 18.0828, 19.9267



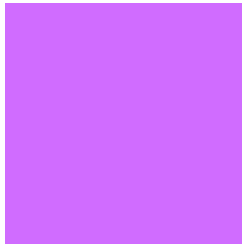
22.3950, 11.4473, 5.4647



2.2278, 1.1335, 0.7812

Previews

White Background



This preview shows how the XYZ color 49.4250, 31.3550, 98.0549 looks on a white background.

Color Contrast Check

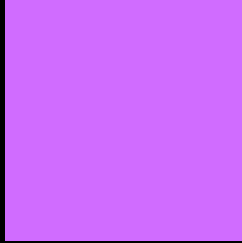
Large Text (above 18pt) WCAG AA × Fail

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 49.4250, 31.3550, 98.0549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

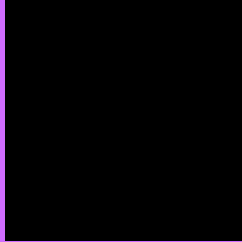
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4250, 31.3550, 98.0549

Background



This preview shows how black text looks on a background with the XYZ color 49.4250, 31.3550, 98.0549.



This preview shows how white text looks on a background with the XYZ color 49.4250, 31.3550,

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

49.4250, 31.3550, 98.0549

Protanopia

34.7413, 31.7791, 98.9106

Deuteranopia

32.7451, 31.8692, 91.6143



Tritanopia

36.0292, 31.2359, 32.1472

Trichromacy



Original Color

49.4250, 31.3550, 98.0549

Protanomaly

37.9028, 30.1098, 98.4218

Deuteranomaly

36.1979, 29.9651, 93.4985

Tritanomaly

39.7192, 30.5153, 50.8103

Monochromacy



Original Color

49.4250, 31.3550, 98.0549

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 49.4250, 31.3550, 98.0549 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(208, 108, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 108, 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(208, 108, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 108, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.4250, 31.3550, 98.0549 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(208, 108, 255) }
```


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

```
.border{ border-color:rgb(208, 108, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 108, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 108, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 108, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 108,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4250, 31.3550, 98.0549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 108, 255) }
```

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

```
.background{ background-color: rgb(208,  
108, 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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