

Converting Colors

XYZ(52.5824, 34.2502,
127.3604)

Have a look what the booklet for
XYZ(52.5824, 34.2502, 127.3604)
contains.

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Color

**XYZ(46.8950, 31.8830,
98.2901)**

Conversions

Conversions Part 1

Format	Color
Hex	C277FF
RGB	194, 119, 255
RGB Percent	76%, 47%, 100%
CMY	0.2392, 0.5333, 0.0000
CMYK	0.24, 0.53, 0.00, 0.00
HSL	273°, 100%, 73%
HSV	273°, 53%, 100%
XYZ	46.8950, 31.8830, 98.2901
YIQ	156.9290, 1.0440, 58.1960

Conversions

Conversions Part 2

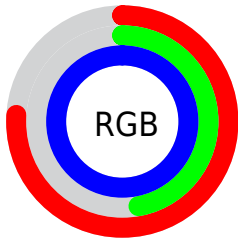
Format	Color
RYB	194, 119, 255
Decimal	12744703
CIELab	63.25, 53.52, -56.66
CIELCh	63, 77.938, 313.365
Yxy	31.8830, 0.2648, 0.1801
Android (android.graphics.Color)	4290934783 (0xFFC277FF)
YUV	156.9290, 48.3490, 32.5113
Hunter-Lab	56.4650, 49.4329, -63.6821

Details

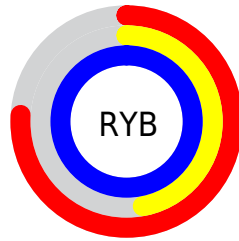
The XYZ color **46.8950, 31.8830, 98.2901** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **57.9124, 82.5553, 30.3363**, and the grayscale version is **31.8064, 33.4628, 36.4410**.

A 20% lighter version of the original color is **73.5016, 57.9898, 101.9269**, and **22.4017, 13.3639, 54.2221** is the 20% darker color. If you saturate the color by 10%, you get **41.4340, 25.1515, 97.2787**, and if you desaturate by 10%, it is **53.3982, 40.3612, 99.5838**.

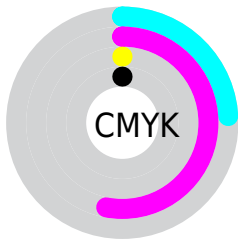
Distribution



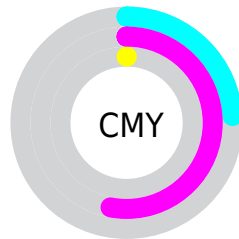
- Red (76%)
- Green (47%)
- Blue (100%)



- Red (76%)
- Yellow (47%)
- Blue (100%)



- Cyan (24%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8950, 31.8830, 98.2901 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 46.8950, 31.8830, 98.2901 by changing the saturation by 10% instead.


 46.8950, 31.8830,
98.2901


 46.8950, 31.8830,
98.2901


365.0512,
310.5859, 575.8963

 33.1603, 21.2721,
74.2644

 84.7766, 62.6276,
160.8367

 22.4091, 13.3231,
54.5124


 109.6541, 83.5302,
200.1947

 14.2761, 7.6514,
38.6155


 138.9766,
108.6321, 245.5006

 8.3959, 3.8727,
26.1552

173.1094,
138.3178, 297.1728

 4.4032, 1.6026,
16.7130

212.4180,
172.9716, 355.6299

 1.9327, 0.3594,
9.8703

257.2675,

 0.5957, 0.0000,

212.9780, 421.2905

5.2085

308.0235,
258.7213, 494.5732

■ 0.0000, 0.0000,
2.3093

■ 0.0000, 0.0000,
0.7364

■ 46.8950, 31.8830,
98.2901

■ 46.8950, 31.8830,
98.2901

■ 41.4340, 25.1515,
97.2787

■ 53.3982, 40.3612,
99.5838

■ 36.9400, 20.0271,
96.5264

■ 61.0042, 50.7037,
101.1793

■ 33.3316, 16.3537,
96.0076

■ 69.7729, 63.0217,
103.0947

■ 30.5093, 13.9407,
95.6905

■ 79.7583, 77.4165,
105.3469

■ 28.9714, 12.8502,
95.5611

■ 91.0109, 93.9825,
107.9514

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.



35.3559, 31.8830, 130.5241



46.8950, 31.8830, 98.2901



54.8406, 31.8830, 54.6506

Triad

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



46.8950, 31.8830, 98.2901



36.6385, 31.8830, 3.2367



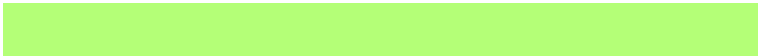
14.2709, 31.8830, 50.3372

Complementary

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



46.8950, 31.8830, 98.2901



57.9124, 82.5553, 30.3363

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.



14.4572, 31.8830, 20.3343



46.8950, 31.8830, 98.2901



25.7575, 31.8830, 3.0596

Square

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



46.8950, 31.8830, 98.2901



48.0240, 31.8830, 7.8149



18.1756, 31.8830, 6.9608



17.5867, 31.8830, 93.5694

Rectangle

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



46.8950, 31.8830, 98.2901



56.0861, 31.8830, 31.3439



18.1756, 31.8830, 6.9608



13.9549, 31.8830, 38.3199

Sweetspot

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



46.8962, 31.8842, 98.2903



76.9724, 73.3674, 104.7122



42.0202, 43.8662, 100.8601



16.0282, 15.0573, 22.3115



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.



46.8962, 31.8842, 98.2903



41.1045, 24.7607, 97.2206



64.8116, 41.2442, 93.5148



17.9608, 17.8715, 22.7529



15.3127, 6.8045, 49.9409



1.6168, 0.7274, 4.8685

Inverse Universe

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



56.0755, 37.7497, 47.5110



51.8412, 31.5962, 38.9627



47.1214, 76.9435, 32.0402



18.3480, 18.1225, 20.4497



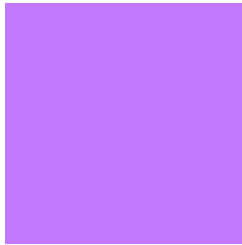
23.2196, 11.7771, 9.8069



2.3149, 1.1683, 1.2397

Previews

White Background



This preview shows how the XYZ color 46.8950, 31.8830, 98.2901 looks on a white background.

Color Contrast Check

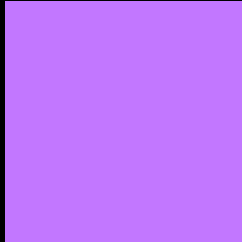
Large Text (above 18pt) WCAG AA × Fail

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 46.8950, 31.8830, 98.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

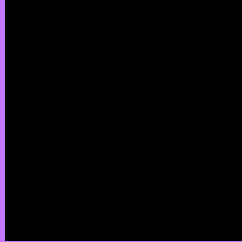
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8950, 31.8830, 98.2901

Background



This preview shows how black text looks on a background with the XYZ color 46.8950, 31.8830, 98.2901.

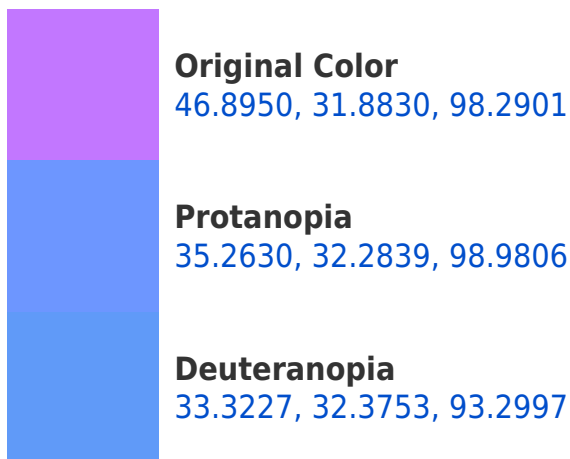


This preview shows how white text looks on a background with the XYZ color 46.8950, 31.8830,

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

34.0211, 31.6602, 35.3283

Trichromacy



Original Color

46.8950, 31.8830, 98.2901



Protanomaly

38.0978, 31.2607, 98.6337



Deuteranomaly

36.4532, 30.9203, 95.3137



Tritanomaly

37.5964, 31.1568, 53.3225

Monochromacy



Original Color

46.8950, 31.8830, 98.2901



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

36.0257, 32.0412, 54.7379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8950, 31.8830, 98.2901 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(194, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 119, 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(194, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 119, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.8950, 31.8830, 98.2901 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(194, 119, 255) }
```


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

```
.border{ border-color:rgb(194, 119, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 119,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8950, 31.8830, 98.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 119, 255) }
```

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

```
.background{ background-color: rgb(194,  
119, 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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