

Converting Colors

CIELCh(64, 31.473, 294.820)

Have a look what the booklet for
CIELCh(64, 31.473, 294.820)
contains.

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Color

CIELCh(64, 31.291, 294.631)

Conversions

Conversions Part 1

Format	Color
Hex	9896CE
RGB	152, 150, 206
RGB Percent	60%, 59%, 81%
CMY	0.4051, 0.4129, 0.1934
CMYK	0.26, 0.27, 0.00, 0.19
HSL	242°, 36%, 70%
HSV	242°, 27%, 81%
XYZ	34.8498, 32.8017, 62.6806
YIQ	156.9820, -16.7840, 17.8400

Conversions

Conversions Part 2

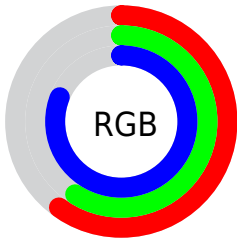
Format	Color
R_{YB}	152, 150, 206
Decimal	10000078
CIE _{Lab}	64.00, 13.04, -28.44
CIE _{LCh}	64, 31.291, 294.631
Yxy	32.8017, 0.2674, 0.2517
Android (android.graphics.Color)	4288190158 (0xFF9896CE)
YUV	156.9820, 24.1659, -4.3692
Hunter-Lab	57.2727, 8.3878, -24.7975

Details

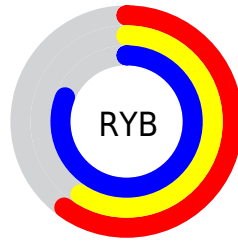
The CIELCh color `64, 31.291, 294.631` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `81, 29.324, 109.104`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 26.998, 294.542`, and `44, 31.195, 295.050` is the 20% darker color. If you saturate the color by 10%, you get `57, 43.701, 296.121`, and if you desaturate by 10%, it is `71, 19.387, 293.353`.

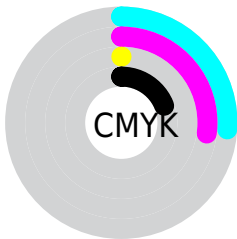
Distribution



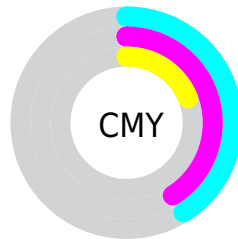
- Red (60%)
- Green (59%)
- Blue (81%)



- Red (60%)
- Yellow (59%)
- Blue (81%)



- Cyan (26%)
- Magenta (27%)
- Yellow (0%)
- Black (19%)





- Cyan (41%)
- Magenta (41%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 31.291, 294.631 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 CIELCh color 64, 31.291, 294.631 by changing the saturation by 10% instead.


 64, 31.291,
294.631


 64, 31.291,
294.631


 100, 31.291,
294.631


 54, 31.291,
294.631


 84, 31.291,
294.631

 44, 31.291,
294.631

 94, 31.291,
294.631

 34, 31.291,
294.631

 24, 31.291,
294.631

 14, 31.291,
294.631

 4, 31.291, 294.631

 0, 31.291, 294.631

64, 31.291,
294.631

64, 31.291,
294.631

57, 43.701,
296.121

71, 19.387,
293.353

50, 56.611,
297.834

78, 7.968, 292.268

85, 3.000, 111.319

44, 69.912,
299.746

91, 13.552,
110.544

38, 83.253,
301.767

98, 23.717,
109.873

32, 95.803,
303.705

99, 24.896,
108.289

28, 106.044,
305.261

26, 112.298,
306.163

25, 113.628,

Harmonies

Complementary

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



64, 31.291, 294.631



81, 29.324, 109.104

Rectangle

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



64, 31.291, 294.631



64, 31.291, 344.631



64, 31.291, 114.631



64, 31.291, 164.631

Sweetspot

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



64, 31.290, 294.631



94, 10.535, 292.357



78, 18.189, 201.272



49, 7.508, 292.513



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 31.290, 294.631



73, 45.765, 295.528



66, 32.831, 311.484



39, 6.247, 292.489



19, 96.739, 306.407



1, 23.553, 293.366

Inverse Universe

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



69, 35.674, 326.908



80, 51.348, 327.245



79, 31.710, 128.988



40, 7.358, 325.903



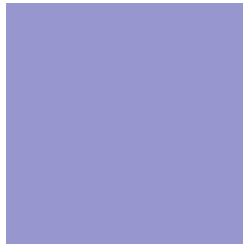
39, 81.428, 329.686



5, 28.227, 328.664

Previews

White Background



This preview shows how the CIELCh color 64, 31.291, 294.631 looks on a white background.

Color Contrast Check

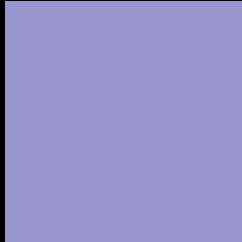
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 31.291, 294.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

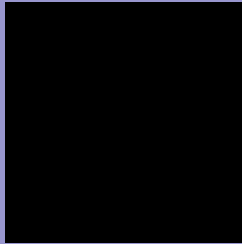
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 31.291, 294.631

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.291, 294.631.



This preview shows how white text looks on a background with the CIELCh color 64, 31.291, 294.631.

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

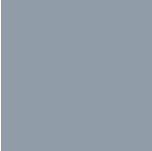
64, 31.291, 294.631

Protanopia

64, 30.844, 285.049

Deuteranopia

64, 29.075, 286.788



Tritanopia
64, 8.087, 255.207

Trichromacy



Original Color
64, 31.291, 294.631

Protanomaly
64, 30.714, 288.548

Deuteranomaly
64, 29.576, 289.464

Tritanomaly
64, 15.756, 282.867

Monochromacy



Original Color
64, 31.291, 294.631

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 11.726, 293.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.291, 294.631 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(152, 150, 206)` looks like.

```
.text, #text, p{  
    color:rgb(152, 150, 206)  
}
```

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(152, 150, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 150, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.291, 294.631 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(152, 150, 206) }
```

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

```
.border{ border-color:rgb(152, 150, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 150, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 150, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 150, 206);  
box-shadow:4px 4px 4px 4px rgb(152, 150,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.291, 294.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 150, 206) }
```

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

```
.background{ background-color: rgb(152,  
150, 206) }
```

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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