

Converting Colors

CIELCh(31, 79.237, 321.410)

Have a look what the booklet for
CIELCh(31, 79.237, 321.410)
contains.

CIELCh(31, 79.319, 321.294)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(31, 79.319, 321.294)

Conversions

Conversions Part 1

Format	Color
Hex	7C0398
RGB	124, 3, 152
RGB Percent	49%, 1%, 60%
CMY	0.5128, 0.9863, 0.4031
CMYK	0.18, 0.98, 0.00, 0.40
HSL	289°, 96%, 31%
HSV	289°, 98%, 60%
XYZ	14.0678, 6.6515, 30.3420
YIQ	56.1650, 24.2870, 71.9910

Conversions

Conversions Part 2

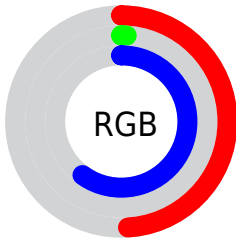
Format	Color
R_{YB}	124, 3, 152
Decimal	8127384
CIE _{Lab}	31.00, 61.90, -49.60
CIE _{LCh}	31, 79.319, 321.294
Yxy	6.6515, 0.2755, 0.1303
Android (android.graphics.Color)	4286317464 (0xFF7C0398)
YUV	56.1650, 47.2467, 59.4913
Hunter-Lab	25.7905, 52.2321, -51.7002

Details

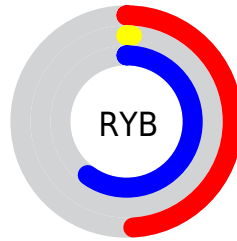
The CIELCh color **31, 79.319, 321.294** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **55, 79.305, 134.653**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 79.318, 321.427**, and **16, 60.178, 317.602** is the 20% darker color. If you saturate the color by 10%, you get **31, 79.963, 321.220**, and if you desaturate by 10%, it is **32, 76.270, 321.612**.

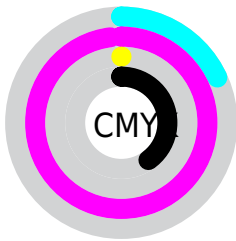
Distribution



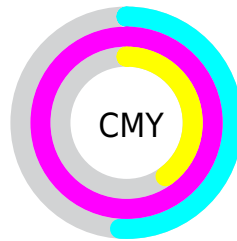
- Red (49%)
- Green (1%)
- Blue (60%)



- Red (49%)
- Yellow (1%)
- Blue (60%)



- Cyan (18%)
- Magenta (98%)
- Yellow (0%)
- Black (40%)




- Cyan (51%)
- Magenta (99%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 79.319, 321.294 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 31, 79.319, 321.294 by changing the saturation by 10% instead.

 31, 79.319,
321.294


 31, 79.319,
321.294

 100, 79.319,
321.294


 21, 79.319,
321.294

 51, 79.319,
321.294


 11, 79.319,
321.294


 61, 79.319,
321.294

 1, 79.319, 321.294

 71, 79.319,
321.294

 0, 79.319, 321.294

 81, 79.319,
321.294

 91, 79.319,
321.294

■ 31, 79.319,
321.294

■ 31, 79.319,
321.294

■ 31, 79.963,
321.220

■ 32, 76.270,
321.612

■ 34, 71.399,
321.742

■ 37, 64.703,
321.685

■ 40, 56.577,
321.482

■ 43, 47.459,
321.172

■ 47, 37.740,
320.791

■ 51, 27.725,
320.369

■ 55, 17.635,

319.927

■ 60, 7.619, 319.474

Harmonies

Complementary

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



31, 79.319, 321.294



55, 79.305, 134.653

Rectangle

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



31, 79.319, 321.294



31, 79.319, 11.294



31, 79.319, 141.294



31, 79.319, 191.294

Sweetspot

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



31, 79.318, 321.294



65, 36.098, 320.450



22, 76.888, 301.516



32, 24.714, 320.617



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



31, 79.318, 321.294



41, 97.522, 321.087



34, 62.743, 344.164



30, 5.615, 319.545



28, 75.309, 321.267



1, 5.999, 318.756

Inverse Universe

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



32, 62.119, 28.398



42, 77.885, 30.621



55, 70.653, 141.850



30, 3.542, 4.917



29, 59.330, 29.000



1, 3.736, 4.394

Previews

White Background



This preview shows how the CIELCh color 31, 79.319, 321.294 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 31, 79.319, 321.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

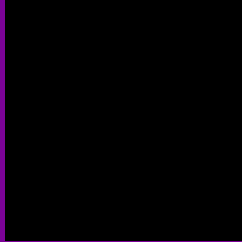
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 79.319, 321.294

Background



This preview shows how black text looks on a background with the CIELCh color 31, 79.319, 321.294.



This preview shows how white text looks on a background with the CIELCh color 31, 79.319, 321.294.

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, 79.319, 321.294

Protanopia

32, 51.434, 285.850

Deuteranopia

32, 38.156, 274.857



Tritanopia
32, 24.483, 18.292

Trichromacy



Original Color
31, 79.319, 321.294

Protanomaly
27, 66.995, 300.746

Deuteranomaly
26, 58.659, 299.241

Tritanomaly
29, 43.837, 337.550

Monochromacy



Original Color
31, 79.319, 321.294

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 38.128, 320.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 79.319, 321.294 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(124, 3, 152)` looks like.

```
.text, #text, p{  
    color:rgb(124, 3, 152)  
}
```

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(124, 3, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 3, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 79.319, 321.294 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(124, 3, 152) }
```

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

```
.border{ border-color:rgb(124, 3, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 3, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 3, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 3, 152);  
box-shadow:4px 4px 4px 4px rgb(124, 3,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 79.319, 321.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 3, 152) }
```

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

```
.background{ background-color: rgb(124, 3,  
152) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor