

Converting Colors

CIELCh(31, 78.967, 322.302)

Have a look what the booklet for
CIELCh(31, 78.967, 322.302)
contains.

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Color

CIELCh(31, 78.815, 322.226)

Conversions

Conversions Part 1

Format	Color
Hex	7E0096
RGB	126, 0, 150
RGB Percent	49%, 0%, 59%
CMY	0.5055, 0.9992, 0.4114
CMYK	0.16, 1.00, 0.00, 0.41
HSL	290°, 100%, 29%
HSV	290°, 100%, 59%
XYZ	14.1318, 6.6515, 29.4301
YIQ	54.7740, 26.9460, 73.3620

Conversions

Conversions Part 2

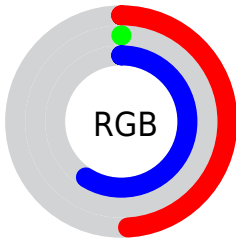
Format	Color
RYB	126, 0, 150
Decimal	8257686
CIELab	31.00, 62.30, -48.28
CIElCh	31, 78.815, 322.226
Yxy	6.6515, 0.2814, 0.1325
Android (android.graphics.Color)	4286447766 (0xFF7E0096)
YUV	54.7740, 46.9464, 62.4652
Hunter-Lab	25.7905, 52.6747, -49.6037

Details

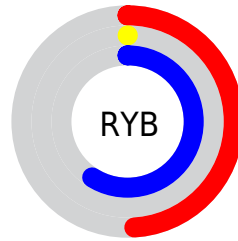
The CIELCh color **31, 78.815, 322.226** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **54, 79.460, 134.948**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 78.987, 322.333**, and **17, 58.985, 318.681** is the 20% darker color. If you saturate the color by 10%, you get **31, 78.850, 322.223**, and if you desaturate by 10%, it is **32, 76.057, 322.506**.

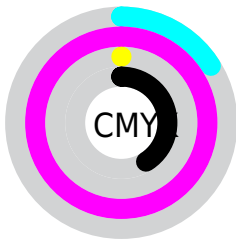
Distribution



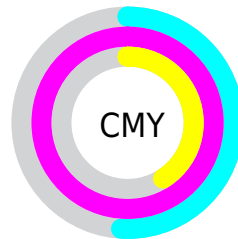
- Red (49%)
- Green (0%)
- Blue (59%)



- Red (49%)
- Yellow (0%)
- Blue (59%)



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (41%)





- Cyan (51%)
- Magenta (100%)
- Yellow (41%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 78.815, 322.226 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, 78.815, 322.226 by changing the saturation by 10% instead.


 31, 78.815,
322.226


 31, 78.815,
322.226


 100, 78.815,
322.226

 21, 78.815,
322.226

 51, 78.815,
322.226


 11, 78.815,
322.226


 61, 78.815,
322.226

 1, 78.815, 322.226

 71, 78.815,
322.226

 0, 78.815, 322.226

 81, 78.815,
322.226

 91, 78.815,
322.226

■ 31, 78.815,
322.226

■ 31, 78.815,
322.226

■ 31, 78.850,
322.223

■ 32, 76.057,
322.506

■ 34, 71.773,
322.642

■ 36, 65.619,
322.599

■ 39, 57.936,
322.410

■ 42, 49.143,
322.112

■ 46, 39.641,
321.738

■ 50, 29.755,
321.317

■ 54, 19.730,

320.870

■ 58, 9.735, 320.412

Harmonies

Complementary

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



31, 78.815, 322.226



54, 79.460, 134.948

Rectangle

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



31, 78.815, 322.226



31, 78.815, 12.226



31, 78.815, 142.226



31, 78.815, 192.226

Sweetspot

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



31, 78.814, 322.226



64, 37.205, 321.349



20, 80.376, 303.036



32, 25.579, 321.516



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, 78.814, 322.226



41, 96.219, 322.105



33, 61.087, 346.974



29, 5.503, 320.380



28, 74.040, 322.266



1, 4.778, 319.989

Inverse Universe

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



31, 63.619, 31.314



41, 78.565, 32.520



54, 69.064, 142.597



29, 3.413, 7.078



28, 59.559, 30.925



1, 2.912, 6.339

Previews

White Background



This preview shows how the CIELCh color 31, 78.815, 322.226 looks on a white background.

Color Contrast Check

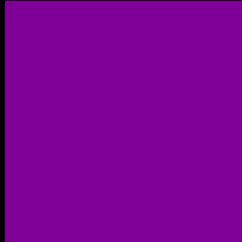
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.815, 322.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

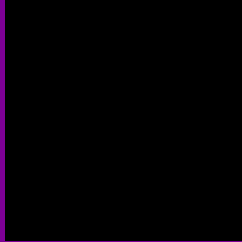
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 78.815, 322.226

Background



This preview shows how black text looks on a background with the CIELCh color 31, 78.815, 322.226.



This preview shows how white text looks on a background with the CIELCh color 31, 78.815, 322.226.

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, 78.815, 322.226

Protanopia

32, 52.016, 286.153

Deuteranopia

32, 38.705, 275.421



Tritanopia
32, 25.944, 18.961

Trichromacy



Original Color
31, 78.815, 322.226

Protanomaly
26, 67.615, 301.179

Deuteranomaly
26, 59.313, 299.782

Tritanomaly
30, 44.330, 339.053

Monochromacy



Original Color
31, 78.815, 322.226

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 39.011, 322.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 78.815, 322.226 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(126, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(126, 0, 150)  
}
```

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(126, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 0, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 78.815, 322.226 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(126, 0, 150) }
```

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

```
.border{ border-color:rgb(126, 0, 150) }
```

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

Here you see how a box with a 4 pixel rgb(126, 0, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(126, 0,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 78.815, 322.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 0, 150) }
```

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

```
.background{ background-color: rgb(126, 0,  
150) }
```

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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