

Converting Colors

CIELCh(31, 71.113, 328.946)

Have a look what the booklet for
CIELCh(31, 71.113, 328.946)
contains.

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Color

CIELCh(31, 70.848, 328.817)

Conversions

Conversions Part 1

Format	Color
Hex	850083
RGB	133, 0, 131
RGB Percent	52%, 0%, 51%
CMY	0.4766, 1.0000, 0.4843
CMYK	0.00, 1.00, 0.01, 0.48
HSL	301°, 100%, 26%
HSV	301°, 100%, 52%
XYZ	13.8636, 6.6515, 22.2022
YIQ	54.7010, 37.2170, 68.9370

Conversions

Conversions Part 2

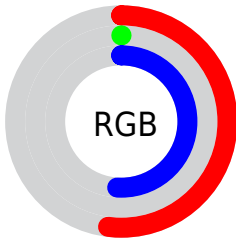
Format	Color
R_{YB}	133, 0, 131
Decimal	8716419
CIE _{Lab}	31.00, 60.61, -36.68
CIE _{LCh}	31, 70.848, 328.817
Yxy	6.6515, 0.3245, 0.1557
Android (android.graphics.Color)	4286906499 (0xFF850083)
YUV	54.7010, 37.6154, 68.6682
Hunter-Lab	25.7905, 50.8187, -32.9874

Details

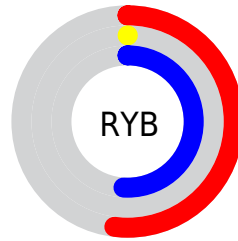
The CIELCh color **31, 70.848, 328.817** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **48, 73.735, 136.193**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 70.413, 328.816**, and **17, 50.316, 327.340** is the 20% darker color. If you saturate the color by 10%, you get **31, 70.653, 328.809**, and if you desaturate by 10%, it is **32, 68.431, 328.656**.

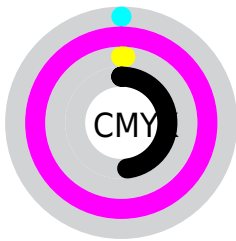
Distribution



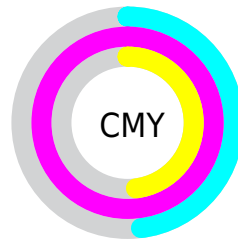
- Red (52%)
- Green (0%)
- Blue (51%)



- Red (52%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (48%)





- Cyan (48%)
- Magenta (100%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 70.848, 328.817 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, 70.848, 328.817 by changing the saturation by 10% instead.


 31, 70.848,
328.817


 31, 70.848,
328.817

 100, 70.848,
328.817


 21, 70.848,
328.817

 51, 70.848,
328.817


 11, 70.848,
328.817


 61, 70.848,
328.817

 1, 70.848, 328.817

 71, 70.848,
328.817

 0, 70.848, 328.817

 81, 70.848,
328.817

 91, 70.848,
328.817

■ 31, 70.848,
328.817

■ 31, 70.848,
328.817

■ 31, 70.653,
328.809

■ 32, 68.431,
328.656

■ 33, 65.014,
328.449

■ 34, 59.924,
328.165

■ 37, 53.359,
327.808

■ 39, 45.628,
327.388

■ 42, 37.073,
326.919

■ 45, 28.008,
326.414

■ 48, 18.688,

325.887

■ 52, 9.309, 325.345

Harmonies

Complementary

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



31, 70.848, 328.817



48, 73.735, 136.193

Rectangle

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



31, 70.848, 328.817



31, 70.848, 18.817



31, 70.848, 148.817



31, 70.848, 198.817

Sweetspot

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



31, 70.653, 328.809



58, 34.677, 326.449



14, 82.732, 306.287



28, 23.512, 326.632



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



31, 70.653, 328.809



41, 85.562, 328.822



28, 52.520, 0.750



26, 5.220, 325.296



30, 69.345, 328.808



0, 1.243, 324.831

Inverse Universe

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



31, 70.653, 328.809



41, 85.562, 328.822



49, 54.303, 149.817



26, 5.220, 325.296



30, 69.345, 328.808



0, 1.243, 324.831

Previews

White Background



This preview shows how the CIELCh color 31, 70.848, 328.817 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, 70.848, 328.817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

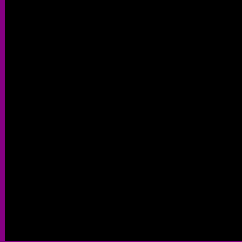
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 70.848, 328.817

Background



This preview shows how black text looks on a background with the CIELCh color 31, 70.848, 328.817.



This preview shows how white text looks on a background with the CIELCh color 31, 70.848, 328.817.

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, 70.460, 328.822

Protanopia

32, 51.947, 285.871

Deuteranopia

33, 30.315, 278.972



Tritanopia
32, 34.910, 23.577

Trichromacy



Original Color
31, 70.460, 328.822



Protanomaly
26, 64.074, 301.326



Deuteranomaly
28, 50.547, 308.738



Tritanomaly
30, 45.284, 351.173

Monochromacy



Original Color
31, 70.460, 328.822



Achromatopsia
23, 0.004, 296.813



Achromatomaly
23, 35.784, 327.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 70.848, 328.817 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(133, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 131)  
}
```

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(133, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 70.848, 328.817 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(133, 0, 131) }
```

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

```
.border{ border-color:rgb(133, 0, 131) }
```

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

Here you see how a box with a 4 pixel rgb(133, 0, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 70.848, 328.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 131) }
```

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

```
.background{ background-color: rgb(133, 0,  
131) }
```

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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