

Converting Colors

CIELCh(31, 72.121, 327.499)

Have a look what the booklet for
CIELCh(31, 72.121, 327.499)
contains.

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Color

CIELCh(31, 72.114, 327.378)

Conversions

Conversions Part 1

Format	Color
Hex	840087
RGB	132, 0, 135
RGB Percent	52%, 0%, 53%
CMY	0.4824, 1.0000, 0.4707
CMYK	0.02, 1.00, 0.00, 0.47
HSL	299°, 100%, 26%
HSV	299°, 100%, 53%
XYZ	13.8835, 6.6515, 23.4663
YIQ	54.8580, 35.3370, 69.9690

Conversions

Conversions Part 2

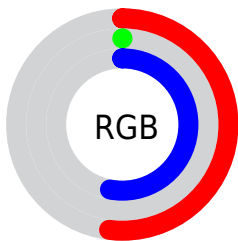
Format	Color
R_{YB}	132, 0, 135
Decimal	8650887
CIE _{Lab}	31.00, 60.74, -38.88
CIE _{LCh}	31, 72.114, 327.378
Yxy	6.6515, 0.3155, 0.1512
Android (android.graphics.Color)	4286840967 (0xFF840087)
YUV	54.8580, 39.5100, 67.6535
Hunter-Lab	25.7905, 50.9565, -35.8935

Details

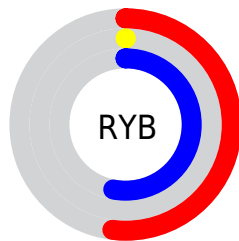
The CIELCh color **31, 72.114, 327.378** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **49, 74.525, 135.882**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 71.967, 327.458**, and **17, 51.726, 325.659** is the 20% darker color. If you saturate the color by 10%, you get **31, 72.107, 327.378**, and if you desaturate by 10%, it is **32, 69.766, 327.327**.

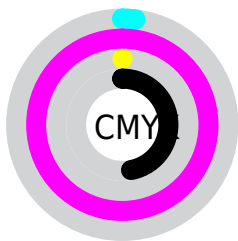
Distribution



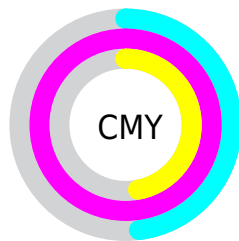
- Red (52%)
- Green (0%)
- Blue (53%)



- Red (52%)
- Yellow (0%)
- Blue (53%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (47%)





- Cyan (48%)
- Magenta (100%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 72.114, 327.378 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, 72.114, 327.378 by changing the saturation by 10% instead.


 31, 72.114,
327.378


 31, 72.114,
327.378

 100, 72.114,
327.378


 21, 72.114,
327.378

 51, 72.114,
327.378


 11, 72.114,
327.378


 61, 72.114,
327.378

 1, 72.114, 327.378

 71, 72.114,
327.378

 0, 72.114, 327.378

 81, 72.114,
327.378

 91, 72.114,
327.378

■ 31, 72.114,
327.378

■ 31, 72.114,
327.378

■ 31, 72.107,
327.378

■ 32, 69.766,
327.327

■ 33, 66.200,
327.207

■ 35, 60.943,
326.988

■ 37, 54.203,
326.680

■ 39, 46.302,
326.297

■ 42, 37.589,
325.856

■ 46, 28.379,
325.375

■ 49, 18.927,

324.868

■ 53, 9.425, 324.344

Harmonies

Complementary

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



31, 72.114, 327.378



49, 74.525, 135.882

Rectangle

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



31, 72.114, 327.378



31, 72.114, 17.378



31, 72.114, 147.378



31, 72.114, 197.378

Sweetspot

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



31, 72.107, 327.378



58, 35.230, 325.408



15, 81.664, 305.704



29, 24.181, 325.588



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



31, 72.107, 327.378



41, 87.576, 327.359



28, 53.376, 357.778



26, 5.236, 324.296



30, 70.191, 327.381



0, 1.247, 323.847

Inverse Universe

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



27, 63.355, 37.910



36, 78.139, 39.040



49, 56.637, 148.171



26, 3.050, 18.076



26, 61.443, 37.631



0, 0.708, 17.554

Previews

White Background



This preview shows how the CIELCh color 31, 72.114, 327.378 looks on a white background.

Color Contrast Check

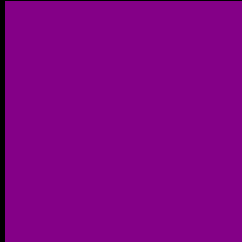
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.114, 327.378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

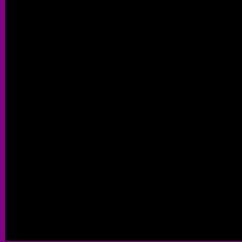
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 72.114, 327.378

Background



This preview shows how black text looks on a background with the CIELCh color 31, 72.114, 327.378.



This preview shows how white text looks on a background with the CIELCh color 31, 72.114, 327.378.

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, 72.114, 327.378

Protanopia

32, 52.016, 286.153

Deuteranopia

33, 32.360, 278.183



Tritanopia
32, 33.305, 22.036

Trichromacy



Original Color
31, 72.114, 327.378

Protanomaly
26, 65.335, 301.511

Deuteranomaly
28, 52.286, 307.081

Tritanomaly
30, 44.844, 349.020

Monochromacy



Original Color
31, 72.114, 327.378

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 36.149, 326.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 72.114, 327.378 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(132, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(132, 0, 135)  
}
```

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(132, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 0, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 72.114, 327.378 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(132, 0, 135) }
```

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

```
.border{ border-color:rgb(132, 0, 135) }
```

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

Here you see how a box with a 4 pixel rgb(132, 0, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(132, 0,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 72.114, 327.378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 0, 135) }
```

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

```
.background{ background-color: rgb(132, 0,  
135) }
```

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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