

Converting Colors

CIELCh(28, 80.669, 327.816)

Have a look what the booklet for
CIELCh(28, 80.669, 327.816)
contains.

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Color

CIELCh(31, 71.755, 327.087)

Conversions

Conversions Part 1

Format	Color
Hex	830387
RGB	131, 3, 135
RGB Percent	51%, 1%, 53%
CMY	0.4854, 0.9899, 0.4700
CMYK	0.03, 0.98, 0.00, 0.47
HSL	298°, 96%, 27%
HSV	298°, 98%, 53%
XYZ	13.8046, 6.6515, 23.5326
YIQ	56.3200, 33.9160, 68.1880

Conversions

Conversions Part 2

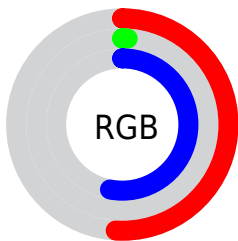
Format	Color
R_{YB}	131, 3, 135
Decimal	8586119
CIE _{Lab}	31.00, 60.24, -38.99
CIE _{LCh}	31, 71.755, 327.087
Yxy	6.6515, 0.3138, 0.1512
Android (android.graphics.Color)	4286776199 (0xFF830387)
YUV	56.3200, 38.7892, 65.4944
Hunter-Lab	25.7905, 50.4106, -36.0460

Details

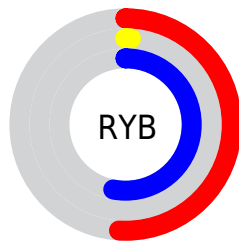
The CIELCh color **31, 71.755, 327.087** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **49, 74.023, 135.950**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 71.807, 326.917**, and **17, 51.771, 325.237** is the 20% darker color. If you saturate the color by 10%, you get **31, 72.199, 327.093**, and if you desaturate by 10%, it is **32, 69.290, 327.050**.

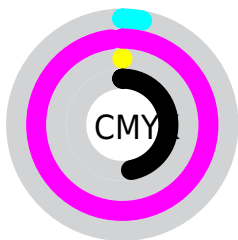
Distribution



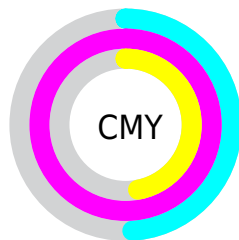
- Red (51%)
- Green (1%)
- Blue (53%)



- Red (51%)
- Yellow (1%)
- Blue (53%)



- Cyan (3%)
- Magenta (98%)
- Yellow (0%)
- Black (47%)





- Cyan (49%)
- Magenta (99%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 71.755, 327.087 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, 71.755, 327.087 by changing the saturation by 10% instead.


 31, 71.755,
327.087


 31, 71.755,
327.087

 100, 71.755,
327.087


 21, 71.755,
327.087

 51, 71.755,
327.087


 11, 71.755,
327.087


 61, 71.755,
327.087

 1, 71.755, 327.087

 71, 71.755,
327.087

 0, 71.755, 327.087

 81, 71.755,
327.087

 91, 71.755,
327.087

■ 31, 71.755,
327.087

■ 31, 71.755,
327.087

■ 31, 72.199,
327.093

■ 32, 69.290,
327.050

■ 33, 65.369,
326.925

■ 35, 59.781,
326.700

■ 37, 52.771,
326.384

■ 40, 44.674,
325.995

■ 43, 35.836,
325.550

■ 46, 26.563,
325.067

■ 50, 17.095,

324.561

■ 53, 7.610, 324.038

Harmonies

Complementary

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



31, 71.755, 327.087



49, 74.023, 135.950

Rectangle

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



31, 71.755, 327.087



31, 71.755, 17.087



31, 71.755, 147.087



31, 71.755, 197.087

Sweetspot

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



31, 71.753, 327.087



59, 34.000, 325.144



15, 80.712, 305.475



29, 23.478, 325.327



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, 71.753, 327.087



41, 87.610, 327.068



29, 53.128, 357.200



26, 5.223, 324.092



30, 70.218, 327.097



0, 1.244, 323.647

Inverse Universe

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



27, 62.333, 37.215



36, 77.819, 38.731



49, 55.996, 148.532



26, 3.050, 17.473



26, 61.220, 37.334



0, 0.708, 16.935

Previews

White Background



This preview shows how the CIELCh color 31, 71.755, 327.087 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, 71.755, 327.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

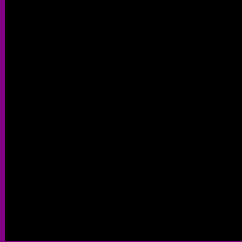
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 71.755, 327.087

Background



This preview shows how black text looks on a background with the CIELCh color 31, 71.755, 327.087.



This preview shows how white text looks on a background with the CIELCh color 31, 71.755, 327.087.

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, 71.624, 327.062

Protanopia

32, 52.016, 286.153

Deuteranopia

32, 32.990, 278.856



Tritanopia
32, 32.845, 21.882

Trichromacy



Original Color
31, 71.624, 327.062



Protanomaly
26, 64.682, 301.213



Deuteranomaly
27, 52.291, 306.754



Tritanomaly
30, 44.178, 348.741

Monochromacy



Original Color
31, 71.624, 327.062



Achromatopsia
24, 0.004, 296.813



Achromatomaly
23, 35.354, 325.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 71.755, 327.087 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(131, 3, 135)` looks like.

```
.text, #text, p{  
    color:rgb(131, 3, 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(131, 3, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 3, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 71.755, 327.087 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(131, 3, 135) }
```

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

```
.border{ border-color:rgb(131, 3, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 3, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 3, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 3, 135);  
box-shadow:4px 4px 4px 4px rgb(131, 3,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 71.755, 327.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 3, 135) }
```

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

```
.background{ background-color: rgb(131, 3,  
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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