

Converting Colors

CIELCh(27, 90.021, 326.341)

Have a look what the booklet for
CIELCh(27, 90.021, 326.341)
contains.

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Color

CIELCh(31, 75.082, 325.275)

Conversions

Conversions Part 1

Format	Color
Hex	82008D
RGB	130, 0, 141
RGB Percent	51%, 0%, 55%
CMY	0.4895, 1.0000, 0.4462
CMYK	0.08, 1.00, 0.00, 0.45
HSL	295°, 100%, 28%
HSV	295°, 100%, 55%
XYZ	14.0378, 6.6515, 25.8270
YIQ	54.9440, 32.2190, 71.4110

Conversions

Conversions Part 2

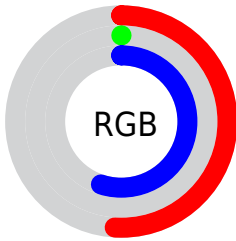
Format	Color
R_{YB}	130, 0, 141
Decimal	8519821
CIE _{Lab}	31.00, 61.71, -42.77
CIE _{LCh}	31, 75.082, 325.275
Yxy	6.6515, 0.3018, 0.1430
Android (android.graphics.Color)	4286709901 (0xFF82008D)
YUV	54.9440, 42.4256, 65.8241
Hunter-Lab	25.7905, 52.0244, -41.3207

Details

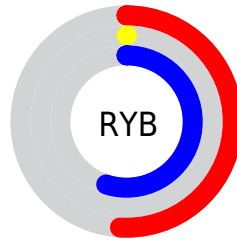
The CIELCh color **31, 75.082, 325.275** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **51, 76.678, 135.567**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 74.347, 325.435**, and **17, 54.735, 322.309** is the 20% darker color. If you saturate the color by 10%, you get **31, 74.784, 325.250**, and if you desaturate by 10%, it is **32, 72.304, 325.343**.

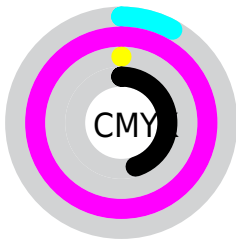
Distribution



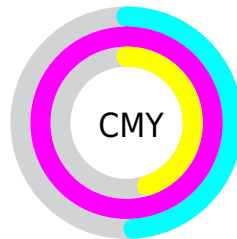
- Red (51%)
- Green (0%)
- Blue (55%)



- Red (51%)
- Yellow (0%)
- Blue (55%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (45%)





- Cyan (49%)
- Magenta (100%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 75.082, 325.275 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, 75.082, 325.275 by changing the saturation by 10% instead.


 31, 75.082,
325.275


 31, 75.082,
325.275

 100, 75.082,
325.275


 21, 75.082,
325.275

 51, 75.082,
325.275


 11, 75.082,
325.275


 61, 75.082,
325.275

 1, 75.082, 325.275

 71, 75.082,
325.275

 0, 75.082, 325.275

 81, 75.082,
325.275

 91, 75.082,
325.275

■ 31, 75.082,
325.275

■ 31, 75.082,
325.275

■ 31, 74.784,
325.250

■ 32, 72.304,
325.343

■ 33, 68.483,
325.339

■ 35, 62.892,
325.204

■ 38, 55.791,
324.955

■ 41, 47.539,
324.616

■ 44, 38.507,
324.209

■ 47, 29.019,
323.758

■ 51, 19.327,

323.281

■ 55, 9.614, 322.787

Harmonies

Complementary

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



31, 75.082, 325.275



51, 76.678, 135.567

Rectangle

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



31, 75.082, 325.275



31, 75.082, 15.275



31, 75.082, 145.275



31, 75.082, 195.275

Sweetspot

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



31, 74.784, 325.250



60, 35.946, 323.788



16, 82.014, 304.904



29, 24.410, 323.958



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



31, 74.784, 325.250



41, 90.727, 325.188



30, 56.101, 353.571



28, 5.475, 322.746



30, 72.435, 325.262



1, 3.675, 322.322

Inverse Universe

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



29, 63.908, 35.892



38, 78.442, 36.873



51, 61.479, 145.855



28, 3.258, 13.564



27, 61.701, 35.618



0, 2.138, 12.930

Previews

White Background



This preview shows how the CIELCh color 31, 75.082, 325.275 looks on a white background.

Color Contrast Check

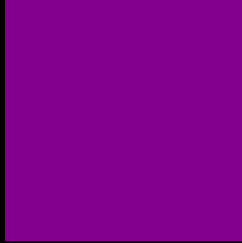
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.082, 325.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

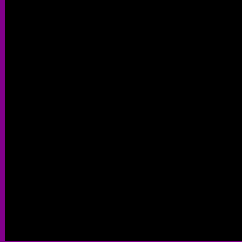
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 75.082, 325.275

Background



This preview shows how black text looks on a background with the CIELCh color 31, 75.082, 325.275.



This preview shows how white text looks on a background with the CIELCh color 31, 75.082, 325.275.

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, 74.700, 325.256

Protanopia

32, 51.947, 285.871

Deuteranopia

32, 36.304, 277.872



Tritanopia
32, 30.857, 21.058

Trichromacy



Original Color
31, 74.700, 325.256

Protanomaly
26, 66.439, 301.216

Deuteranomaly
27, 55.902, 304.130

Tritanomaly
30, 45.006, 345.464

Monochromacy



Original Color
31, 74.700, 325.256

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 37.038, 324.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 75.082, 325.275 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(130, 0, 141)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 141)  
}
```

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(130, 0, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 75.082, 325.275 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(130, 0, 141) }
```

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

```
.border{ border-color:rgb(130, 0, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 0, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 141);  
box-shadow:4px 4px 4px 4px rgb(130, 0,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 75.082, 325.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 141) }
```

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

```
.background{ background-color: rgb(130, 0,  
141) }
```

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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