

Converting Colors

CIELCh(31, 68.711, 328.470)

Have a look what the booklet for
CIELCh(31, 68.711, 328.470)
contains.

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Color

CIELCh(31, 68.525, 328.459)

Conversions

Conversions Part 1

Format	Color
Hex	830982
RGB	131, 9, 130
RGB Percent	51%, 4%, 51%
CMY	0.4858, 0.9636, 0.4897
CMYK	0.00, 0.93, 0.01, 0.49
HSL	300°, 87%, 28%
HSV	300°, 93%, 51%
XYZ	13.5173, 6.6515, 21.7318
YIQ	59.2720, 33.8710, 63.4950

Conversions

Conversions Part 2

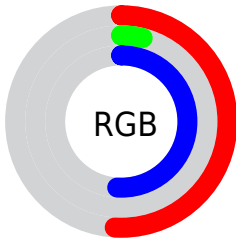
Format	Color
R_{YB}	131, 9, 130
Decimal	8587650
CIE _{Lab}	31.00, 58.40, -35.85
CIE _{LCh}	31, 68.525, 328.459
Yxy	6.6515, 0.3226, 0.1587
Android (android.graphics.Color)	4286777730 (0xFF830982)
YUV	59.2720, 34.8689, 62.9055
Hunter-Lab	25.7905, 48.4216, -31.9061

Details

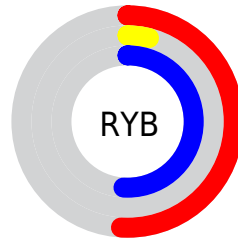
The CIELCh color **31, 68.525, 328.459** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **47, 71.007, 136.516**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 68.730, 328.229**, and **16, 49.924, 326.882** is the 20% darker color. If you saturate the color by 10%, you get **31, 70.101, 328.554**, and if you desaturate by 10%, it is **32, 65.589, 328.291**.

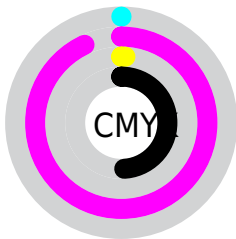
Distribution



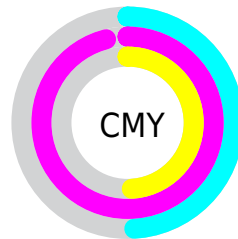
- Red (51%)
- Green (4%)
- Blue (51%)



- Red (51%)
- Yellow (4%)
- Blue (51%)



- Cyan (0%)
- Magenta (93%)
- Yellow (1%)
- Black (49%)





- Cyan (49%)
- Magenta (96%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 68.525, 328.459 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, 68.525, 328.459 by changing the saturation by 10% instead.


 31, 68.525,
328.459


 31, 68.525,
328.459

 100, 68.525,
328.459

 21, 68.525,
328.459

 51, 68.525,
328.459


 11, 68.525,
328.459


 61, 68.525,
328.459

 1, 68.525, 328.459

 71, 68.525,
328.459

 0, 68.525, 328.459

 81, 68.525,
328.459

 91, 68.525,
328.459

■ 31, 68.525,
328.459

■ 31, 68.525,
328.459

■ 31, 70.101,
328.554

■ 32, 65.589,
328.291

■ 33, 60.990,
328.043

■ 35, 54.870,
327.717

■ 38, 47.508,
327.322

■ 40, 39.238,
326.872

■ 43, 30.380,
326.381

■ 47, 21.205,
325.864

■ 50, 11.922,

325.329

■ 54, 2.680, 324.745

Harmonies

Complementary

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



31, 68.525, 328.459



47, 71.007, 136.516

Rectangle

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



31, 68.525, 328.459



31, 68.525, 18.459



31, 68.525, 148.459



31, 68.525, 198.459

Sweetspot

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



31, 68.523, 328.459



58, 32.139, 326.163



15, 77.680, 305.368



28, 22.327, 326.355



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, 68.523, 328.459



40, 85.057, 328.561



28, 50.699, 358.309



26, 5.243, 325.122



30, 69.686, 328.554



0, 1.249, 324.658

Inverse Universe

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



31, 68.523, 328.459



40, 85.057, 328.561



48, 51.121, 151.267



26, 5.243, 325.122



30, 69.686, 328.554



0, 1.249, 324.658

Previews

White Background



This preview shows how the CIELCh color 31, 68.525, 328.459 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, 68.525, 328.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

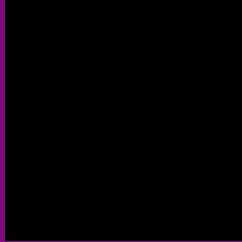
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 68.525, 328.459

Background



This preview shows how black text looks on a background with the CIELCh color 31, 68.525, 328.459.

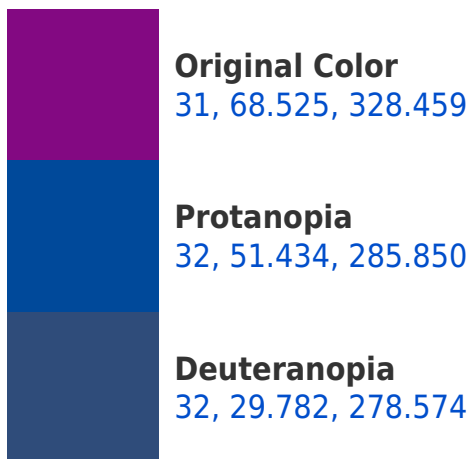


This preview shows how white text looks on a background with the CIELCh color 31, 68.525, 328.459.

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





Tritanopia
32, 33.990, 23.309

Trichromacy



Original Color
31, 68.525, 328.459

Protanomaly
27, 60.944, 300.076

Deuteranomaly
28, 47.364, 307.722

Tritanomaly
30, 43.303, 351.619

Monochromacy



Original Color
31, 68.525, 328.459

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 32.959, 326.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 68.525, 328.459 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, 9, 130)` looks like.

```
.text, #text, p{  
    color:rgb(131, 9, 130)  
}
```

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, 9, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 9, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 68.525, 328.459 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, 9, 130) }
```

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

```
.border{ border-color:rgb(131, 9, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 9, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 9, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 9, 130);  
box-shadow:4px 4px 4px 4px rgb(131, 9,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 68.525, 328.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 9, 130) }
```

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

```
.background{ background-color: rgb(131, 9,  
130) }
```

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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