

Converting Colors

CIELCh(68, 31.434, 31.098)

Have a look what the booklet for
CIELCh(68, 31.434, 31.098) contains.

CIELCh(68, 31.368, 31.165)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 31.368, 31.165)

Conversions

Conversions Part 1

Format	Color
Hex	DD938A
RGB	221, 147, 138
RGB Percent	87%, 58%, 54%
CMY	0.1342, 0.4243, 0.4596
CMYK	0.00, 0.34, 0.38, 0.13
HSL	7°, 55%, 70%
HSV	7°, 38%, 87%
XYZ	44.7276, 37.9720, 28.9426
YIQ	168.1000, 46.9930, 12.8890

Conversions

Conversions Part 2

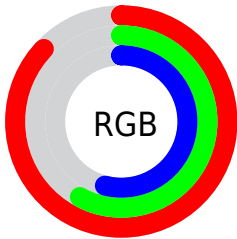
Format	Color
R _Y B	221, 148, 138
Decimal	14521226
CIE Lab	68.00, 26.84, 16.23
CIE LCh	68, 31.368, 31.165
Yxy	37.9720, 0.4006, 0.3401
Android (android.graphics.Color)	4292711306 (0xFFDD938A)
YUV	168.1000, -14.8393, 46.3933
Hunter-Lab	61.6215, 21.7257, 15.2875

Details

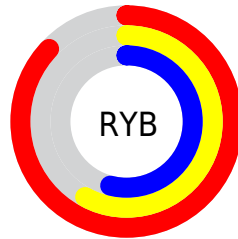
The CIELCh color **68, 31.368, 31.165** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **81, 23.768, 209.548**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 21.359, 36.327**, and **48, 31.384, 31.688** is the 20% darker color. If you saturate the color by 10%, you get **63, 41.283, 32.187**, and if you desaturate by 10%, it is **73, 22.099, 30.435**.

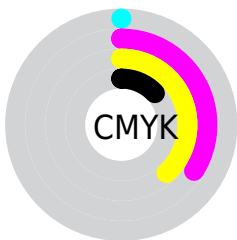
Distribution



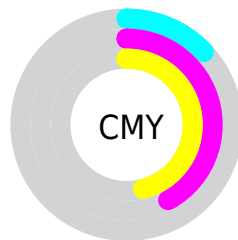
- Red (87%)
- Green (58%)
- Blue (54%)



- Red (87%)
- Yellow (58%)
- Blue (54%)



- Cyan (0%)
- Magenta (34%)
- Yellow (38%)
- Black (13%)



- Cyan (13%)
- Magenta (42%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 31.368, 31.165 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 68, 31.368, 31.165 by changing the saturation by 10% instead.

68, 31.368, 31.165

68, 31.368, 31.165

100, 31.368,
31.165

58, 31.368, 31.165

88, 31.368, 31.165

48, 31.368, 31.165

98, 31.368, 31.165

38, 31.368, 31.165

28, 31.368, 31.165

18, 31.368, 31.165

8, 31.368, 31.165

0, 31.368, 31.165

68, 31.368, 31.165

68, 31.368, 31.165

63, 41.283, 32.187

73, 22.099, 30.435

■ 59, 51.750, 33.550

■ 78, 13.513, 29.916

■ 55, 62.559, 35.295

■ 84, 5.590, 29.523

■ 52, 73.316, 37.363

■ 89, 1.712, 209.779

■ 49, 83.202, 39.436

■ 95, 8.450, 209.397

■ 47, 90.583, 40.780

■ 98, 11.550,
198.734

■ 47, 92.092, 41.148

Harmonies

Complementary

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



68, 31.368, 31.165



81, 23.768, 209.548

Rectangle

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



68, 31.368, 31.165



68, 31.368, 81.165



68, 31.368, 211.165



68, 31.368, 261.165

Sweetspot

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



68, 31.366, 31.170



93, 9.249, 29.657



68, 49.627, 329.467



49, 6.250, 29.708



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 31.366, 31.170



73, 43.519, 31.933



78, 30.036, 80.439



43, 4.195, 29.595



37, 76.591, 41.375



6, 22.181, 25.887

Inverse Universe

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



81, 23.768, 209.548



90, 30.790, 209.808



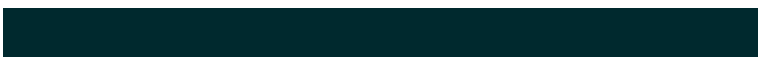
69, 28.772, 271.810



45, 3.946, 209.425



58, 33.236, 215.806



14, 13.541, 212.081

Previews

White Background



This preview shows how the CIELCh color 68, 31.368, 31.165 looks on a white background.

Color Contrast Check

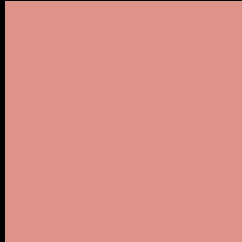
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 31.368, 31.165 looks on a black 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

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

CIELCh 68, 31.368, 31.165

Background



This preview shows how black text looks on a background with the CIELCh color 68, 31.368, 31.165.

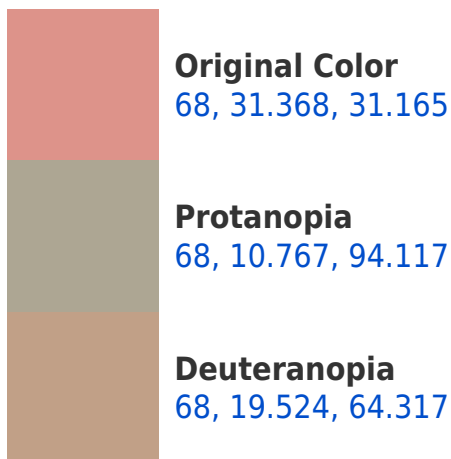


This preview shows how white text looks on a background with the CIELCh color 68, 31.368, 31.165.

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](#).

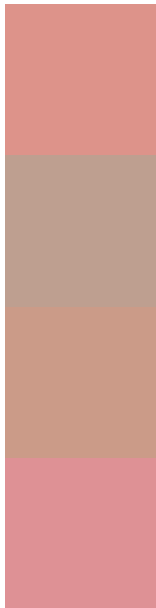
Dichromacy





Tritanopia
68, 31.622, 11.877

Trichromacy



Original Color
68, 31.368, 31.165

Protanomaly
68, 15.132, 53.023

Deuteranomaly
68, 22.758, 47.878

Tritanomaly
68, 31.271, 18.614

Monochromacy



Original Color
68, 31.368, 31.165

Achromatopsia
69, 0.009, 296.813

Achromatomaly
68, 10.772, 29.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 31.368, 31.165 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(221, 147, 138)` looks like.

```
.text, #text, p{  
    color:rgb(221, 147, 138)  
}
```

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(221, 147, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 147, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 31.368, 31.165 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(221, 147, 138) }
```

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

```
.border{ border-color:rgb(221, 147, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 147, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 147, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 147, 138); box-shadow:4px 4px 4px 4px rgb(221, 147, 138) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 31.368, 31.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 147, 138) }
```

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

```
.background{ background-color: rgb(221,  
147, 138) }
```

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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