

Converting Colors

CIELCh(68, 2.727, 31.055)

Have a look what the booklet for
CIELCh(68, 2.727, 31.055) contains.

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Color

CIELCh(68, 2.731, 31.057)

Conversions

Conversions Part 1

Format	Color
Hex	ABA4A3
RGB	171, 164, 163
RGB Percent	67%, 64%, 64%
CMY	0.3285, 0.3559, 0.3599
CMYK	0.00, 0.04, 0.05, 0.33
HSL	8°, 5%, 66%
HSV	8°, 5%, 67%
XYZ	36.7954, 37.9720, 40.1502
YIQ	165.9790, 4.4930, 1.1730

Conversions

Conversions Part 2

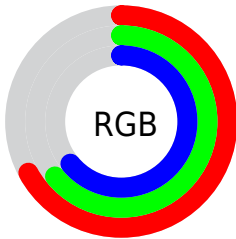
Format	Color
RYB	171, 164, 163
Decimal	11248803
CIELab	68.00, 2.34, 1.41
CIELCh	68, 2.731, 31.057
Yxy	37.9720, 0.3202, 0.3304
Android (android.graphics.Color)	4289438883 (0xFFABA4A3)
YUV	165.9790, -1.4686, 4.4034
Hunter-Lab	61.6215, -1.2516, 4.5039

Details

The CIELCh color **68, 2.731, 31.057** is a light color, and the websafe version is hex **999999**. A complement of this color would be **69, 2.653, 211.362**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 2.581, 30.987**, and **48, 2.939, 31.138** is the 20% darker color. If you saturate the color by 10%, you get **64, 8.929, 31.428**, and if you desaturate by 10%, it is **72, 2.992, 211.345**.

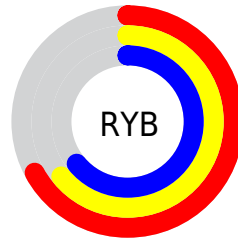
Distribution



Red (67%)

Green (64%)

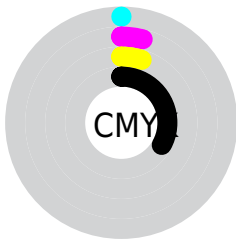
Blue (64%)



Red (67%)

Yellow (64%)

Blue (64%)

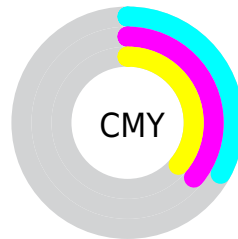


Cyan (0%)

Magenta (4%)

Yellow (5%)

Black (33%)



Cyan (33%)


Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 2.731, 31.057 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, 2.731, 31.057 by changing the saturation by 10% instead.

 68, 2.731, 31.057  68, 2.731, 31.057

 100, 2.731, 31.057  58, 2.731, 31.057

 88, 2.731, 31.057  48, 2.731, 31.057

 98, 2.731, 31.057  38, 2.731, 31.057


 28, 2.731, 31.057

 18, 2.731, 31.057

 8, 2.731, 31.057

 0, 2.731, 31.057

 68, 2.731, 31.057  68, 2.731, 31.057

 64, 8.929, 31.428  72, 2.992, 211.345

■ 59, 15.645, 31.803

■ 77, 8.282, 211.223

■ 55, 22.902, 32.351

■ 81, 13.190,
211.246

■ 51, 30.698, 33.135

■ 86, 17.759,
211.326

■ 48, 38.984, 34.212

■ 44, 47.646, 35.624

■ 90, 22.031,
211.442

■ 41, 56.452, 37.358

■ 95, 26.119,
198.832

■ 39, 64.940, 39.242

■ 37, 72.108, 40.746

■ 95, 26.418,
197.789

Harmonies

Complementary

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



68, 2.731, 31.057



69, 2.653, 211.362

Rectangle

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



68, 2.731, 31.057



68, 2.731, 81.057



68, 2.731, 211.057



68, 2.731, 261.057

Sweetspot

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



68, 2.730, 31.096



88, 0.710, 30.386



68, 4.957, 327.999



47, 0.407, 30.336



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 2.730, 31.096



85, 4.352, 31.161



69, 2.931, 86.258



35, 2.356, 31.177



32, 68.121, 41.590



2, 7.084, 28.831

Inverse Universe

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



69, 2.653, 211.362



87, 4.190, 211.311



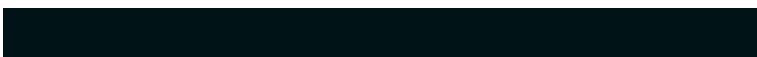
68, 2.934, 267.590



36, 2.262, 211.300



50, 29.669, 218.997



5, 6.703, 216.826

Previews

White Background



This preview shows how the CIELCh color 68, 2.731, 31.057 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, 2.731, 31.057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

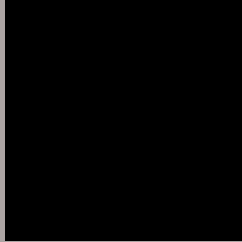
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

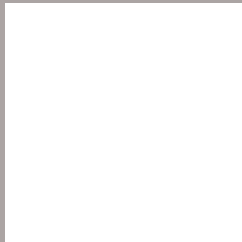
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 2.731, 31.057

Background



This preview shows how black text looks on a background with the CIELCh color 68, 2.731, 31.057.



This preview shows how white text looks on a background with the CIELCh color 68, 2.731, 31.057.

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


68, 2.731, 31.057

Protanopia

68, 1.613, 39.121

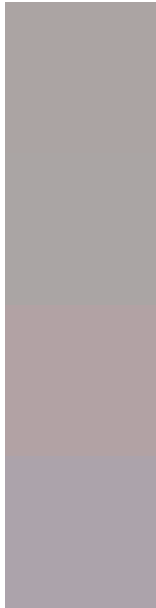
Deuteranopia

68, 8.780, 5.723



Tritanopia
68, 8.305, 320.485

Trichromacy



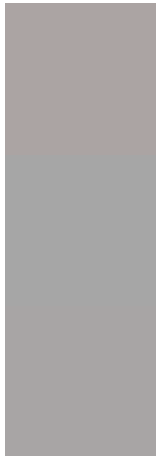
Original Color
68, 2.731, 31.057

Protanomaly
68, 1.979, 35.421

Deuteranomaly
68, 6.260, 9.822

Tritanomaly
68, 5.593, 327.865

Monochromacy



Original Color
68, 2.731, 31.057

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.140, 19.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 2.731, 31.057 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(171, 164, 163)` looks like.

```
.text, #text, p{  
    color:rgb(171, 164, 163)  
}
```

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(171, 164, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 164, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 2.731, 31.057 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(171, 164, 163) }
```

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

```
.border{ border-color:rgb(171, 164, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 164, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 164, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 164, 163);  
box-shadow:4px 4px 4px 4px rgb(171, 164,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 2.731, 31.057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 164, 163) }
```

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

```
.background{ background-color: rgb(171,  
164, 163) }
```

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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