

Converting Colors

CIE LCh(69, 31.122, 123.606)

Have a look what the booklet for
CIELCh(69, 31.122, 123.606)
contains.

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Color

CIELCh(69, 31.015, 123.938)

Conversions

Conversions Part 1

Format	Color
Hex	9AB079
RGB	154, 176, 121
RGB Percent	60%, 69%, 47%
CMY	0.3958, 0.3095, 0.5252
CMYK	0.12, 0.00, 0.31, 0.31
HSL	84°, 26%, 58%
HSV	84°, 31%, 69%
XYZ	32.3402, 39.3444, 24.0044
YIQ	163.1520, 4.5430, -21.7690

Conversions

Conversions Part 2

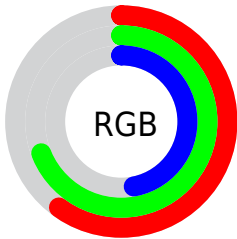
Format	Color
RYB	121, 176, 143
Decimal	10137721
CIELab	69.00, -17.32, 25.73
CIELCh	69, 31.015, 123.938
Yxy	39.3444, 0.3380, 0.4112
Android (android.graphics.Color)	4288327801 (0xFF9AB079)
YUV	163.1520, -20.7809, -8.0263
Hunter-Lab	62.7251, -17.7368, 21.2178

Details

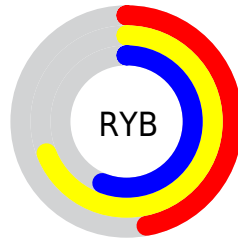
The CIELCh color **69, 31.015, 123.938** is a light color, and the websafe version is hex **999966**. A complement of this color would be **55, 32.712, 307.255**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 31.111, 124.104**, and **49, 30.601, 123.947** is the 20% darker color. If you saturate the color by 10%, you get **68, 40.660, 123.447**, and if you desaturate by 10%, it is **70, 21.161, 124.453**.

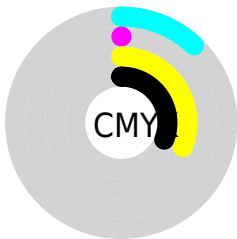
Distribution



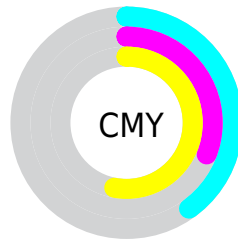
- Red (60%)
- Green (69%)
- Blue (47%)



- Red (47%)
- Yellow (69%)
- Blue (56%)



- Cyan (12%)
- Magenta (0%)
- Yellow (31%)
- Black (31%)





- Cyan (40%)
- Magenta (31%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 31.015, 123.938 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 69, 31.015, 123.938 by changing the saturation by 10% instead.


 69, 31.015,
123.938


 69, 31.015,
123.938


 100, 31.015,
123.938


 59, 31.015,
123.938


 89, 31.015,
123.938

 49, 31.015,
123.938


 99, 31.015,
123.938

 39, 31.015,
123.938

 29, 31.015,
123.938

 19, 31.015,
123.938

 9, 31.015, 123.938

 0, 31.015, 123.938

■ 69, 31.015,
123.938

■ 69, 31.015,
123.938

■ 68, 40.660,
123.447

■ 70, 21.161,
124.453

■ 68, 49.926,
123.012

■ 71, 11.205,
124.964

■ 67, 58.576,
122.696

■ 72, 1.226, 125.506

■ 66, 66.273,
122.586

■ 73, 8.721, 305.894

■ 66, 72.601,
122.794

■ 74, 18.596,
306.326

■ 65, 77.166,
123.436

■ 75, 28.371,
306.721

■ 65, 79.917,
124.290

■ 76, 38.026,
307.081

■ 77, 44.003,
308.455

■ 78, 44.578,
311.405

Harmonies

Complementary

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



69, 31.015, 123.938



55, 32.712, 307.255

Rectangle

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



69, 31.015, 123.938



69, 31.015, 173.938



69, 31.015, 303.938



69, 31.015, 353.938

Sweetspot

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



69, 31.017, 123.940



90, 11.127, 125.069



62, 18.789, 60.796



48, 7.725, 124.997



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 31.017, 123.940



87, 45.385, 123.619



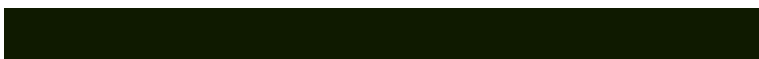
67, 35.756, 139.843



37, 5.708, 125.060



57, 71.948, 124.110



7, 14.173, 129.470

Inverse Universe

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



55, 32.712, 307.255



66, 48.471, 307.678



58, 35.973, 323.197



35, 5.800, 305.960



21, 86.880, 310.023



1, 13.651, 302.134

Previews

White Background



This preview shows how the CIELCh color 69, 31.015, 123.938 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 69, 31.015, 123.938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

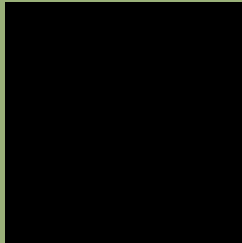
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 31.015, 123.938

Background



This preview shows how black text looks on a background with the CIELCh color 69, 31.015, 123.938.



This preview shows how white text looks on a background with the CIELCh color 69, 31.015, 123.938.

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](#).

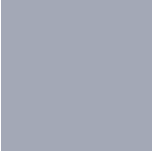
Dichromacy



Original Color
69, 31.015, 123.938

Protanopia
69, 27.715, 95.951

Deuteranopia
69, 26.139, 70.056



Tritanopia
69, 7.869, 277.662

Trichromacy



Original Color
69, 31.015, 123.938

Protanomaly
69, 28.125, 107.284

Deuteranomaly
69, 24.547, 90.845

Tritanomaly
69, 7.376, 144.110

Monochromacy



Original Color
69, 31.015, 123.938

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 11.423, 124.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 31.015, 123.938 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(154, 176, 121)` looks like.

```
.text, #text, p{  
    color:rgb(154, 176, 121)  
}
```

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(154, 176, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 176, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 31.015, 123.938 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(154, 176, 121) }
```

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

```
.border{ border-color:rgb(154, 176, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 176, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 176, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 176, 121);  
box-shadow:4px 4px 4px 4px rgb(154, 176,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 31.015, 123.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 176, 121) }
```

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

```
.background{ background-color: rgb(154,  
176, 121) }
```

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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