

Converting Colors

CIELCh(72, 31.121, 131.760)

Have a look what the booklet for
CIELCh(72, 31.121, 131.760)
contains.

CIELCh(72, 31.175, 131.328)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 31.175, 131.328)

Conversions

Conversions Part 1

Format	Color
Hex	9ABA85
RGB	154, 186, 133
RGB Percent	60%, 73%, 52%
CMY	0.3962, 0.2707, 0.4786
CMYK	0.17, 0.00, 0.29, 0.27
HSL	96°, 28%, 63%
HSV	96°, 29%, 73%
XYZ	35.1000, 43.6590, 28.7533
YIQ	170.3900, -2.0590, -23.2670

Conversions

Conversions Part 2

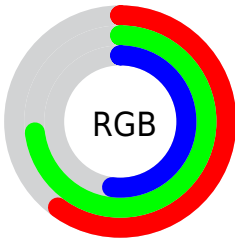
Format	Color
RYB	133, 186, 165
Decimal	10140293
CIELab	72.00, -20.59, 23.41
CIELCh	72, 31.175, 131.328
Yxy	43.6590, 0.3265, 0.4061
Android (android.graphics.Color)	4288330373 (0xFF9ABA85)
YUV	170.3900, -18.4333, -14.3740
Hunter-Lab	66.0750, -20.8093, 20.4518

Details

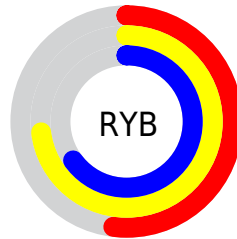
The CIELCh color **72, 31.175, 131.328** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **60, 32.117, 313.851**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 31.249, 131.088**, and **52, 31.330, 131.456** is the 20% darker color. If you saturate the color by 10%, you get **71, 41.942, 130.833**, and if you desaturate by 10%, it is **73, 20.248, 131.813**.

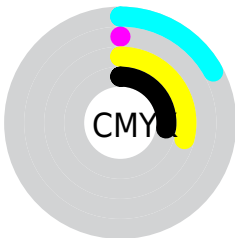
Distribution



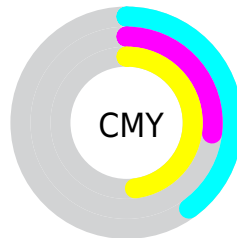
- Red (60%)
- Green (73%)
- Blue (52%)



- Red (52%)
- Yellow (73%)
- Blue (65%)



- Cyan (17%)
- Magenta (0%)
- Yellow (29%)
- Black (27%)





- Cyan (40%)
- Magenta (27%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 31.175, 131.328 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 72, 31.175, 131.328 by changing the saturation by 10% instead.


 72, 31.175,
131.328


 72, 31.175,
131.328


 100, 31.175,
131.328


 62, 31.175,
131.328


 92, 31.175,
131.328

 52, 31.175,
131.328

 42, 31.175,
131.328

 32, 31.175,
131.328

 22, 31.175,
131.328

 12, 31.175,
131.328

 2, 31.175, 131.328

■ 0, 31.175, 131.328

■ 72, 31.175,
131.328

■ 72, 31.175,
131.328

■ 71, 41.942,
130.833

■ 73, 20.248,
131.813

■ 70, 52.372,
130.356

■ 74, 9.280, 132.273

■ 69, 62.220,
129.950

■ 76, 1.641, 312.583

■ 69, 71.145,
129.700

■ 77, 12.453,
313.030

■ 68, 78.713,
129.718

■ 79, 23.112,
313.366

■ 67, 84.470,
130.131

■ 80, 33.589,
313.660

■ 82, 39.961,

■ 67, 88.307,
130.954

316.106

■ 67, 88.821,
131.071

■ 83, 41.476,
321.169

■ 84, 43.270,
325.924

Harmonies

Complementary

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



72, 31.175, 131.328



60, 32.117, 313.851

Rectangle

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



72, 31.175, 131.328



72, 31.175, 181.328



72, 31.175, 311.328



72, 31.175, 1.328

Sweetspot

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



72, 31.177, 131.329



94, 12.183, 132.244



69, 19.541, 81.728



50, 8.540, 132.178



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



72, 31.177, 131.329



91, 46.013, 131.028



71, 32.895, 145.261



38, 6.123, 132.236



57, 77.660, 130.863



8, 17.298, 136.028

Inverse Universe

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



60, 32.117, 313.851



73, 47.719, 314.130



62, 32.933, 328.913



36, 6.188, 312.983



26, 84.280, 314.657



2, 16.271, 308.563

Previews

White Background



This preview shows how the CIELCh color 72, 31.175, 131.328 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 CIELCh color 72, 31.175, 131.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

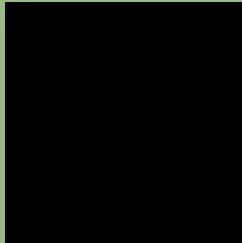
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 31.175, 131.328

Background



This preview shows how black text looks on a background with the CIELCh color 72, 31.175, 131.328.

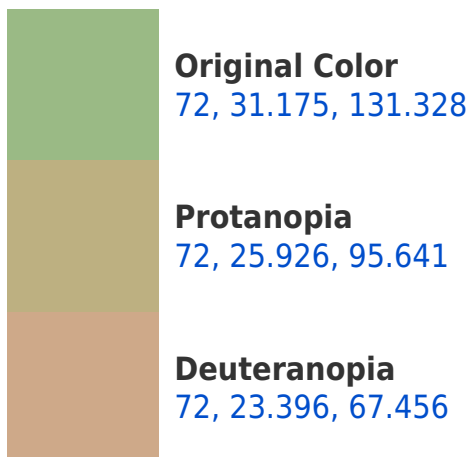


This preview shows how white text looks on a background with the CIELCh color 72, 31.175, 131.328.

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
72, 9.178, 255.585

Trichromacy



Original Color
72, 31.175, 131.328

Protanomaly
72, 26.893, 111.004

Deuteranomaly
72, 21.669, 94.954

Tritanomaly
72, 9.568, 164.007

Monochromacy



Original Color
72, 31.175, 131.328

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 11.362, 133.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 31.175, 131.328 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, 186, 133)` looks like.

```
.text, #text, p{  
    color:rgb(154, 186, 133)  
}
```

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, 186, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 186, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 31.175, 131.328 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, 186, 133) }
```

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

```
.border{ border-color:rgb(154, 186, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 186, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 186, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 186, 133);  
box-shadow:4px 4px 4px 4px rgb(154, 186,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 31.175, 131.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 186, 133) }
```

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

```
.background{ background-color: rgb(154,  
186, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor