

Converting Colors

CIELCh(72, 13.859, 122.657)

Have a look what the booklet for
CIELCh(72, 13.859, 122.657)
contains.

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Color

CIELCh(72, 13.990, 123.323)

Conversions

Conversions Part 1

Format	Color
Hex	ABB49B
RGB	171, 180, 155
RGB Percent	67%, 71%, 61%
CMY	0.3295, 0.2942, 0.3922
CMYK	0.05, 0.00, 0.14, 0.29
HSL	82°, 14%, 66%
HSV	82°, 14%, 71%
XYZ	39.0250, 43.6590, 37.3743
YIQ	174.4590, 2.6610, -9.6830

Conversions

Conversions Part 2

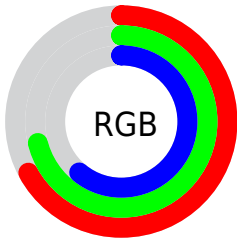
Format	Color
RYB	155, 180, 164
Decimal	11252891
CIELab	72.00, -7.69, 11.69
CIELCh	72, 13.990, 123.323
Yxy	43.6590, 0.3251, 0.3636
Android (android.graphics.Color)	4289442971 (0xFFABB49B)
YUV	174.4590, -9.5933, -3.0335
Hunter-Lab	66.0750, -10.2062, 12.7160

Details

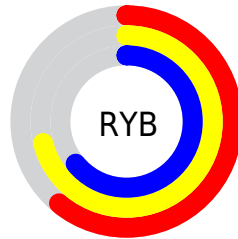
The CIELCh color $72, 13.990, 123.323$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $65, 14.337, 304.794$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 14.390, 123.834$, and $52, 13.683, 122.659$ is the 20% darker color. If you saturate the color by 10%, you get $71, 24.021, 122.789$, and if you desaturate by 10%, it is $73, 3.913, 123.860$.

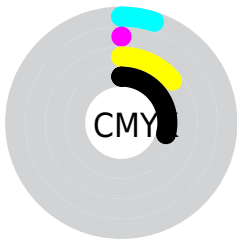
Distribution



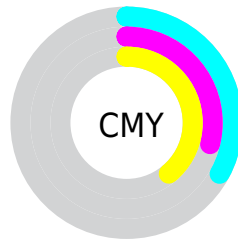
- Red (67%)
- Green (71%)
- Blue (61%)



- Red (61%)
- Yellow (71%)
- Blue (64%)



- Cyan (5%)
- Magenta (0%)
- Yellow (14%)
- Black (29%)





- Cyan (33%)
- Magenta (29%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 13.990, 123.323 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, 13.990, 123.323 by changing the saturation by 10% instead.


 72, 13.990,
123.323


 72, 13.990,
123.323


 100, 13.990,
123.323


 62, 13.990,
123.323


 92, 13.990,
123.323

 52, 13.990,
123.323

 42, 13.990,
123.323

 32, 13.990,
123.323

 22, 13.990,
123.323

 12, 13.990,
123.323

 2, 13.990, 123.323

0, 13.990, 123.323

72, 13.990,
123.323

72, 13.990,
123.323

71, 24.021,
122.789

73, 3.913, 123.860

70, 33.914,
122.256

74, 6.156, 304.329

70, 43.545,
121.753

75, 16.172,
304.801

69, 52.729,
121.326

76, 26.105,
305.235

68, 61.195,
121.040

77, 35.931,
305.634

68, 68.573,
120.988

78, 41.539,
307.128

79, 42.041,

■ 67, 74.426,
121.283

310.010

■ 67, 78.400,
122.030

■ 79, 42.640,
312.857

■ 67, 80.185,
122.624

■ 80, 43.335,
315.655

Harmonies

Complementary

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



72, 13.990, 123.323



65, 14.337, 304.794

Rectangle

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



72, 13.990, 123.323



72, 13.990, 173.323



72, 13.990, 303.323



72, 13.990, 353.323

Sweetspot

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



72, 13.992, 123.327



92, 4.990, 123.850



68, 7.994, 56.551



49, 3.545, 123.809



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



72, 13.992, 123.327



91, 21.232, 123.145



71, 15.901, 139.607



37, 5.665, 123.570



57, 71.025, 122.424



7, 14.047, 128.007

Inverse Universe

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



65, 14.337, 304.794



81, 21.883, 305.000



67, 15.986, 320.906



35, 5.763, 304.527



20, 87.566, 309.342



1, 13.592, 300.973

Previews

White Background



This preview shows how the CIELCh color 72, 13.990, 123.323 looks on a white background.

Color Contrast Check

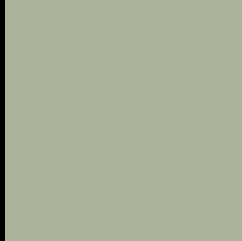
Large Text (above 18pt) WCAG AA × Fail

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, 13.990, 123.323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

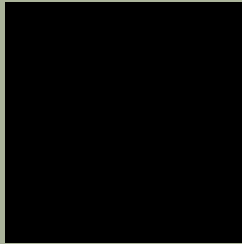
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

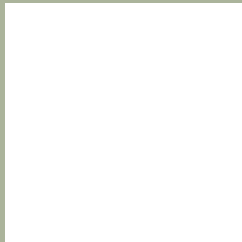
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 13.990, 123.323

Background



This preview shows how black text looks on a background with the CIELCh color 72, 13.990, 123.323.

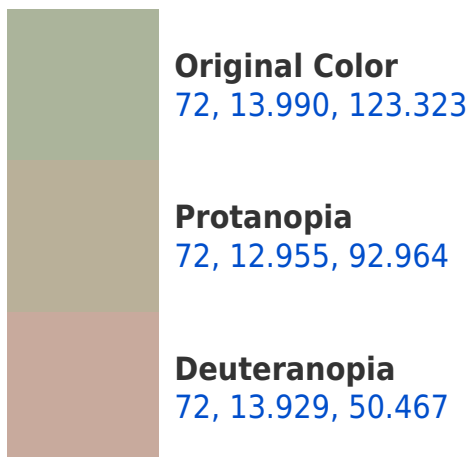



This preview shows how white text looks on a background with the CIELCh color 72, 13.990, 123.323.

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](#).

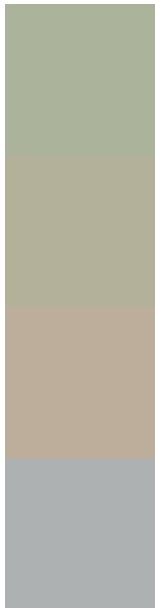
Dichromacy





Tritanopia
72, 7.647, 293.647

Trichromacy



Original Color
72, 13.990, 123.323

Protanomaly
72, 12.505, 103.525

Deuteranomaly
72, 11.432, 77.954

Tritanomaly
72, 1.116, 199.764

Monochromacy



Original Color
72, 13.990, 123.323

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 5.030, 122.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 13.990, 123.323 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, 180, 155)` looks like.

```
.text, #text, p{  
    color:rgb(171, 180, 155)  
}
```

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, 180, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 180, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 13.990, 123.323 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, 180, 155) }
```

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

```
.border{ border-color:rgb(171, 180, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 180, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 180, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 180, 155);  
box-shadow:4px 4px 4px 4px rgb(171, 180,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 13.990, 123.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 180, 155) }
```

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

```
.background{ background-color: rgb(171,  
180, 155) }
```

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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