

Converting Colors

CIELCh(72, 8.163, 134.283)

Have a look what the booklet for
CIELCh(72, 8.163, 134.283) contains.

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Color

CIELCh(72, 7.868, 135.208)

Conversions

Conversions Part 1

Format	Color
Hex	AAB3A6
RGB	170, 179, 166
RGB Percent	67%, 70%, 65%
CMY	0.3325, 0.2972, 0.3482
CMYK	0.05, 0.00, 0.07, 0.30
HSL	102°, 8%, 68%
HSV	102°, 7%, 70%
XYZ	39.6909, 43.6590, 42.5149
YIQ	174.8270, -1.1910, -5.9510

Conversions

Conversions Part 2

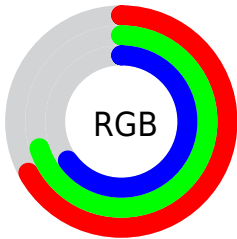
Format	Color
RYB	166, 179, 175
Decimal	11187110
CIELab	72.00, -5.58, 5.54
CIELCh	72, 7.868, 135.208
Yxy	43.6590, 0.3153, 0.3469
Android (android.graphics.Color)	4289377190 (0xFFAAB3A6)
YUV	174.8270, -4.3517, -4.2333
Hunter-Lab	66.0750, -8.4072, 8.1032

Details

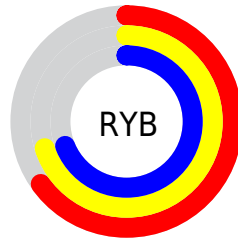
The CIELCh color $72, 7.868, 135.208$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 7.927, 315.769$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 8.096, 135.956$, and $52, 7.697, 134.298$ is the 20% darker color. If you saturate the color by 10%, you get $71, 18.787, 134.739$, and if you desaturate by 10%, it is $73, 2.970, 315.545$.

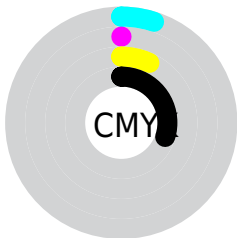
Distribution



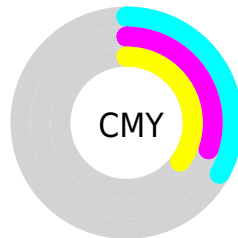
- Red (67%)
- Green (70%)
- Blue (65%)



- Red (65%)
- Yellow (70%)
- Blue (69%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (30%)



- Cyan (33%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 7.868, 135.208 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, 7.868, 135.208 by changing the saturation by 10% instead.

■ 72, 7.868, 135.208

■ 72, 7.868, 135.208

■ 100, 7.868,
135.208

■ 62, 7.868, 135.208

■ 92, 7.868, 135.208

■ 52, 7.868, 135.208

■ 42, 7.868, 135.208

■ 32, 7.868, 135.208

■ 22, 7.868, 135.208

■ 12, 7.868, 135.208

■ 2, 7.868, 135.208

■ 0, 7.868, 135.208

■ 72, 7.868, 135.208

■ 72, 7.868, 135.208

71, 18.787,
134.739

73, 2.970, 315.545

69, 29.692,
134.231

75, 13.669,
315.951

68, 40.459,
133.692

77, 24.184,
316.272

67, 50.914,
133.146

78, 34.485,
316.549

67, 60.816,
132.639

80, 44.163,
317.017

66, 69.834,
132.246

81, 45.827,
322.076

65, 77.545,
132.076

82, 47.447,
326.065

65, 83.493,
132.254

64, 87.448,

132.832

Harmonies

Complementary

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



72, 7.868, 135.208



69, 7.927, 315.769

Rectangle

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



72, 7.868, 135.208



72, 7.868, 185.208



72, 7.868, 315.208



72, 7.868, 5.208

Sweetspot

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



72, 7.870, 135.211



92, 2.661, 135.486



72, 5.064, 91.515



49, 1.525, 135.494



96, 0.011, 296.813



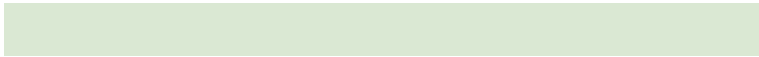
49, 0.007, 296.813

Same Dimension

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



72, 7.870, 135.211



90, 12.053, 135.123



72, 7.610, 149.536



37, 6.128, 135.115



55, 78.482, 132.818



7, 15.116, 137.678

Inverse Universe

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



69, 7.927, 315.769



86, 12.151, 315.853



70, 7.633, 330.354



35, 6.178, 315.860



28, 81.830, 317.264



2, 14.431, 312.082

Previews

White Background



This preview shows how the CIELCh color 72, 7.868, 135.208 looks on a white background.

Color Contrast Check

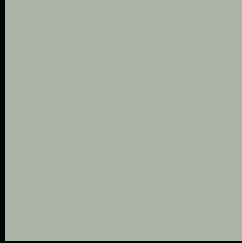
Large Text (above 18pt) WCAG AA × Fail

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, 7.868, 135.208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

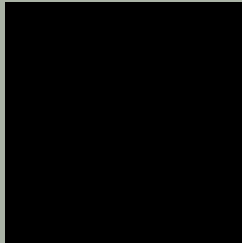
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

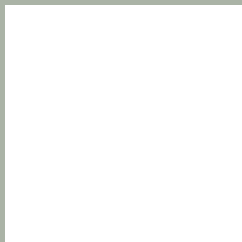
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 7.868, 135.208

Background



This preview shows how black text looks on a background with the CIELCh color 72, 7.868, 135.208.



This preview shows how white text looks on a background with the CIELCh color 72, 7.868, 135.208.

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


72, 7.868, 135.208

Protanopia

72, 6.894, 89.879

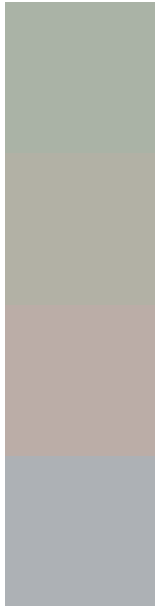
Deuteranopia

72, 10.146, 26.333



Tritanopia
72, 7.648, 285.510

Trichromacy



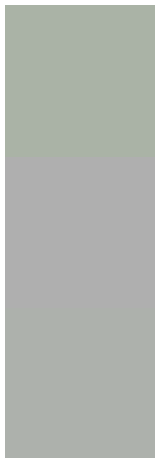
Original Color
72, 7.868, 135.208

Protanomaly
72, 6.512, 106.149

Deuteranomaly
72, 6.298, 50.797

Tritanomaly
72, 2.613, 256.092

Monochromacy



Original Color
72, 7.868, 135.208

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 3.116, 138.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 7.868, 135.208 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(170, 179, 166)` looks like.

```
.text, #text, p{  
    color:rgb(170, 179, 166)  
}
```

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(170, 179, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 179, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 7.868, 135.208 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(170, 179, 166) }
```

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

```
.border{ border-color:rgb(170, 179, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 179, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 179, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 179, 166);  
box-shadow:4px 4px 4px 4px rgb(170, 179,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 7.868, 135.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 179, 166) }
```

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

```
.background{ background-color: rgb(170,  
179, 166) }
```

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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