

Converting Colors

CIELCh(72, 12.910, 137.580)

Have a look what the booklet for
CIELCh(72, 12.910, 137.580)
contains.

CIELCh(72, 12.972, 137.154)	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, 12.972, 137.154)

Conversions

Conversions Part 1

Format	Color
Hex	A5B5A0
RGB	165, 181, 160
RGB Percent	65%, 71%, 63%
CMY	0.3524, 0.2896, 0.3720
CMYK	0.09, 0.00, 0.12, 0.29
HSL	106°, 12%, 67%
HSV	106°, 12%, 71%
XYZ	38.4527, 43.6590, 39.7184
YIQ	173.8220, -2.7950, -9.9230

Conversions

Conversions Part 2

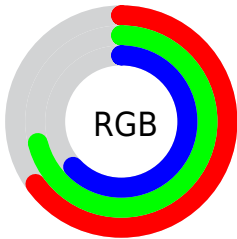
Format	Color
RYB	160, 181, 176
Decimal	10859936
CIELab	72.00, -9.51, 8.82
CIELCh	72, 12.972, 137.154
Yxy	43.6590, 0.3156, 0.3584
Android (android.graphics.Color)	4289050016 (0xFFA5B5A0)
YUV	173.8220, -6.8142, -7.7369
Hunter-Lab	66.0750, -11.7520, 10.6126

Details

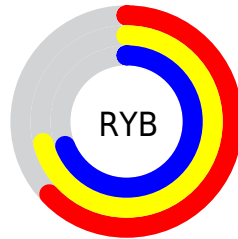
The CIELCh color **72, 12.972, 137.154** is a light color, and the websafe version is hex **999999**. A complement of this color would be **68, 13.070, 318.141**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 12.948, 137.586**, and **52, 12.625, 137.833** is the 20% darker color. If you saturate the color by 10%, you get **71, 24.233, 136.637**, and if you desaturate by 10%, it is **73, 1.770, 137.698**.

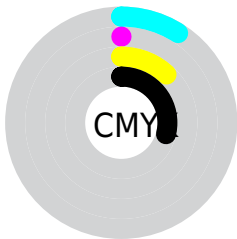
Distribution



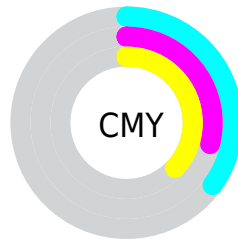
- Red (65%)
- Green (71%)
- Blue (63%)



- Red (63%)
- Yellow (71%)
- Blue (69%)



- Cyan (9%)
- Magenta (0%)
- Yellow (12%)
- Black (29%)





- Cyan (35%)
- Magenta (29%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 12.972, 137.154 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, 12.972, 137.154 by changing the saturation by 10% instead.


 72, 12.972,
137.154


 72, 12.972,
137.154


 100, 12.972,
137.154


 62, 12.972,
137.154


 92, 12.972,
137.154

 52, 12.972,
137.154

 42, 12.972,
137.154

 32, 12.972,
137.154

 22, 12.972,
137.154

 12, 12.972,
137.154

 2, 12.972, 137.154

■ 0, 12.972, 137.154

■ 72, 12.972,
137.154

■ 72, 12.972,
137.154

■ 71, 24.233,
136.637

■ 73, 1.770, 137.698

■ 69, 35.432,
136.069

■ 75, 9.297, 317.970

■ 68, 46.410,
135.460

■ 77, 20.168,
318.323

■ 67, 56.948,
134.839

■ 79, 30.806,
318.621

■ 67, 66.749,
134.263

■ 80, 41.188,
318.875

■ 66, 75.422,
133.818

■ 82, 45.124,
323.255

■ 83, 46.262,

■ 65, 82.498,
133.624

326.025

■ 65, 87.542,
133.800

■ 65, 90.369,
134.141

Harmonies

Complementary

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



72, 12.972, 137.154



68, 13.070, 318.141

Rectangle

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



72, 12.972, 137.154



72, 12.972, 187.154



72, 12.972, 317.154



72, 12.972, 7.154

Sweetspot

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



72, 12.974, 137.156



92, 4.116, 137.586



72, 8.775, 95.858



49, 3.120, 137.540



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, 12.974, 137.156



90, 19.348, 137.024



72, 11.718, 151.579



38, 6.401, 137.266



56, 80.625, 134.012



8, 17.893, 139.583

Inverse Universe

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



68, 13.070, 318.141



84, 19.514, 318.258



68, 11.768, 333.063



36, 6.442, 318.040



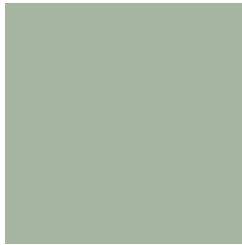
30, 81.850, 319.498



2, 16.999, 314.734

Previews

White Background



This preview shows how the CIELCh color 72, 12.972, 137.154 looks on a white background.

Color Contrast Check

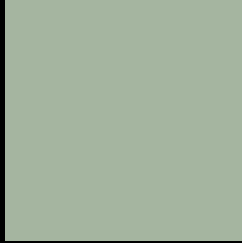
Large Text (above 18pt) WCAG AA × Fail

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, 12.972, 137.154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

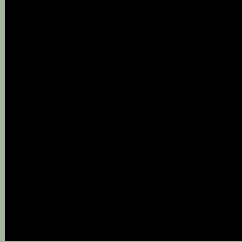
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 12.972, 137.154

Background



This preview shows how black text looks on a background with the CIELCh color 72, 12.972, 137.154.

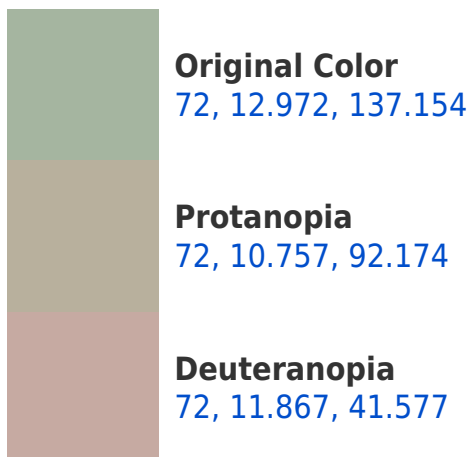


This preview shows how white text looks on a background with the CIELCh color 72, 12.972, 137.154.

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](#).

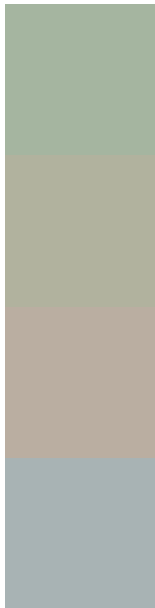
Dichromacy





Tritanopia
72, 7.974, 272.595

Trichromacy



Original Color
72, 12.972, 137.154

Protanomaly
72, 10.837, 111.163

Deuteranomaly
72, 8.462, 75.861

Tritanomaly
72, 4.062, 206.911

Monochromacy



Original Color
72, 12.972, 137.154

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 4.922, 137.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 12.972, 137.154 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(165, 181, 160)` looks like.

```
.text, #text, p{  
    color:rgb(165, 181, 160)  
}
```

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(165, 181, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 181, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 12.972, 137.154 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(165, 181, 160) }
```

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

```
.border{ border-color:rgb(165, 181, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 181, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 181, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 181, 160);  
box-shadow:4px 4px 4px 4px rgb(165, 181,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 12.972, 137.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 181, 160) }
```

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

```
.background{ background-color: rgb(165,  
181, 160) }
```

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