

# Converting Colors

CIELCh(72, 13.015, 23.657)

Have a look what the booklet for  
CIELCh(72, 13.015, 23.657) contains.

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# Color

**CIELCh(72, 12.936, 25.259)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAA9A7
RGB	202, 169, 167
RGB Percent	79%, 66%, 65%
CMY	0.2083, 0.3377, 0.3455
CMYK	0.00, 0.16, 0.17, 0.21
HSL	3°, 25%, 72%
HSV	3°, 17%, 79%
XYZ	45.4559, 43.6590, 42.5353
YIQ	178.6390, 20.3100, 6.3740

# Conversions

## Conversions Part 2

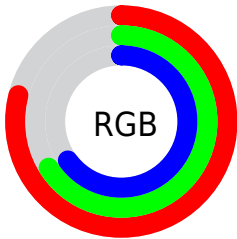
Format	Color
RYB	202, 169, 167
Decimal	13281703
CIELab	72.00, 11.70, 5.52
CIELCh	72, 12.936, 25.259
Yxy	43.6590, 0.3453, 0.3316
Android (android.graphics.Color)	4291471783 (0xFFCAA9A7)
YUV	178.6390, -5.7380, 20.4876
Hunter-Lab	66.0750, 7.1669, 8.0849

# Details

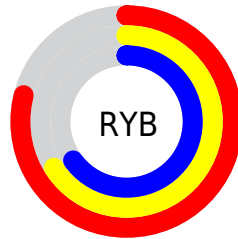
The CIELCh color **72, 12.936, 25.259** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **78, 11.529, 203.956**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 11.439, 25.301**, and **52, 13.114, 25.864** is the 20% darker color. If you saturate the color by 10%, you get **67, 21.235, 26.025**, and if you desaturate by 10%, it is **77, 5.255, 24.660**.

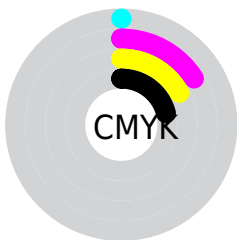
# Distribution



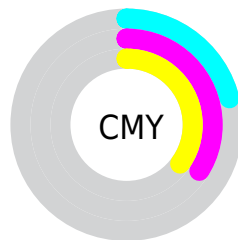
- Red (79%)
- Green (66%)
- Blue (65%)



- Red (79%)
- Yellow (66%)
- Blue (65%)



- Cyan (0%)
- Magenta (16%)
- Yellow (17%)
- Black (21%)



- Cyan (21%)
- Magenta (34%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 12.936, 25.259 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, 12.936, 25.259 by changing the saturation by 10% instead.



72, 12.936, 25.259

72, 12.936, 25.259

100, 12.936,  
25.259

62, 12.936, 25.259

92, 12.936, 25.259

52, 12.936, 25.259

42, 12.936, 25.259

32, 12.936, 25.259

22, 12.936, 25.259

12, 12.936, 25.259

2, 12.936, 25.259

0, 12.936, 25.259

72, 12.936, 25.259

72, 12.936, 25.259

67, 21.235, 26.025

77, 5.255, 24.660

62, 30.156, 27.030

83, 1.835, 204.675

57, 39.640, 28.366

88, 8.383, 204.149

53, 49.556, 30.115

94, 14.445,  
203.918

49, 59.675, 32.338

97, 17.525,  
198.344

46, 69.617, 34.996

44, 78.667, 37.772

43, 85.395, 39.898

42, 86.935, 40.543

# Harmonies

# Complementary

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



72, 12.936, 25.259



78, 11.529, 203.956

# Rectangle

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



72, 12.936, 25.259



72, 12.936, 75.259



72, 12.936, 205.259



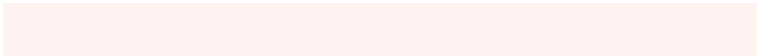
72, 12.936, 255.259

# Sweetspot

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



72, 12.934, 25.268



97, 4.291, 24.510



72, 22.155, 326.766



51, 2.936, 24.561



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



72, 12.934, 25.268



86, 19.248, 25.543



76, 12.013, 78.413



40, 4.133, 24.784



35, 74.773, 40.562



4, 17.314, 22.327





# Inverse Universe

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



78, 11.529, 203.956



96, 16.670, 203.851



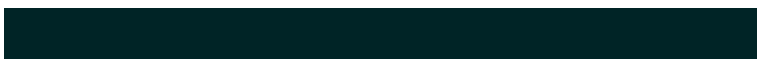
74, 11.647, 263.119



42, 3.892, 204.223



59, 33.698, 205.905



12, 12.719, 203.808



# Previews

## White Background



This preview shows how the CIELCh color 72, 12.936, 25.259 looks on a white background.

## Color Contrast Check

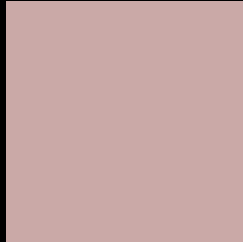
Large Text (above 18pt) WCAG AA × Fail

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, 12.936, 25.259 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

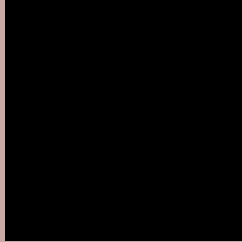
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 72, 12.936, 25.259

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 12.936, 25.259.



This preview shows how white text looks on a background with the CIELCh color 72, 12.936, 25.259.

# 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, 12.936, 25.259

### Protanopia

72, 3.295, 74.655

### Deuteranopia

72, 10.353, 32.235



**Tritanopia**  
72, 15.719, 354.261



# Trichromacy



**Original Color**  
72, 12.936, 25.259

**Protanomaly**  
72, 6.351, 34.643

**Deuteranomaly**  
72, 11.423, 28.466

**Tritanomaly**  
72, 13.953, 4.929

# Monochromacy



**Original Color**  
72, 12.936, 25.259

**Achromatopsia**  
73, 0.009, 296.813

**Achromatomaly**  
72, 4.551, 19.682

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 12.936, 25.259 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(202, 169, 167)` looks like.

```
.text, #text, p{  
    color:rgb(202, 169, 167)  
}
```

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(202, 169, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 169, 167) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 12.936, 25.259 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(202, 169, 167) }
```

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

```
.border{ border-color:rgb(202, 169, 167) }
```

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

Here you see how a box with a 4 pixel rgb(202, 169, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 169, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 169, 167);  
box-shadow:4px 4px 4px 4px rgb(202, 169,  
167) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 12.936, 25.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 169, 167) }
```

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

```
.background{ background-color: rgb(202,  
169, 167) }
```

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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