

# Converting Colors

CIELCh(82, 4.251, 251.228)

Have a look what the booklet for  
CIELCh(82, 4.251, 251.228) contains.

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# Color

**CIELCh(82, 4.232, 248.179)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5CDD3
RGB	197, 205, 211
RGB Percent	77%, 80%, 83%
CMY	0.2271, 0.1957, 0.1722
CMYK	0.07, 0.03, 0.00, 0.17
HSL	206°, 14%, 80%
HSV	206°, 7%, 83%
XYZ	56.6737, 60.2982, 70.3416
YIQ	203.2920, -6.6940, 0.1700

# Conversions

## Conversions Part 2

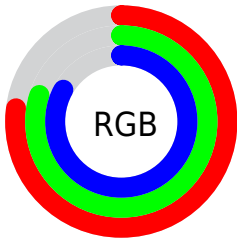
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 202, 211
Decimal	12963283
CIELab	82.00, -1.57, -3.93
CIElCh	82, 4.232, 248.179
Yxy	60.2982, 0.3026, 0.3219
Android (android.graphics.Color)	4291153363 (0xFFC5CDD3)
YUV	203.2920, 3.8000, -5.5181
Hunter-Lab	77.6519, -5.6138, 0.6480

# Details

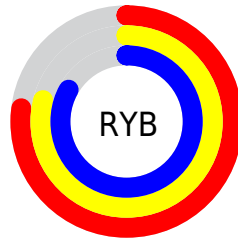
The CIELCh color `82, 4.232, 248.179` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `82, 4.322, 66.463`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.347, 201.292`, and `62, 4.460, 248.416` is the 20% darker color. If you saturate the color by 10%, you get `78, 10.487, 249.434`, and if you desaturate by 10%, it is `86, 2.157, 66.722`.

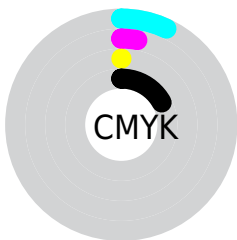
# Distribution



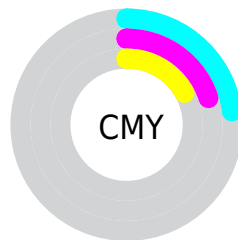
- Red (77%)
- Green (80%)
- Blue (83%)



- Red (77%)
- Yellow (79%)
- Blue (83%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)



- Cyan (23%)
- Magenta (20%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 4.232, 248.179 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 82, 4.232, 248.179 by changing the saturation by 10% instead.



■ 82, 4.232, 248.179

■ 82, 4.232, 248.179

■ 100, 4.232,  
248.179

■ 72, 4.232, 248.179

■ 62, 4.232, 248.179

■ 52, 4.232, 248.179

■ 42, 4.232, 248.179

■ 32, 4.232, 248.179

■ 22, 4.232, 248.179

■ 12, 4.232, 248.179

■ 2, 4.232, 248.179

■ 0, 4.232, 248.179

82, 4.232, 248.179

82, 4.232, 248.179

78, 10.487,  
249.434

86, 2.157, 66.722

74, 16.568,  
251.041

90, 8.642, 65.936

71, 22.434,  
252.997

93, 13.814, 71.243

67, 28.048,  
255.367

96, 16.233, 90.552

63, 33.391,  
258.221

98, 19.954,  
103.627

60, 38.470,  
261.621

57, 43.337,  
265.590

54, 48.093,  
270.088

■ 51, 52.881,  
274.960

# Harmonies

# Complementary

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



82, 4.232, 248.179



82, 4.322, 66.463

# Rectangle

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



82, 4.232, 248.179



82, 4.232, 298.179



82, 4.232, 68.179



82, 4.232, 118.179

# Sweetspot

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



82, 4.231, 248.152



99, 1.499, 247.845



83, 6.694, 158.970



53, 0.853, 247.851



0, 0.000, 0.000



53, 0.007, 296.813



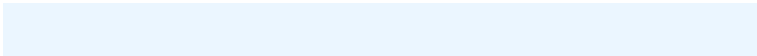


# Same Dimension

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



82, 4.231, 248.152



96, 5.939, 248.314



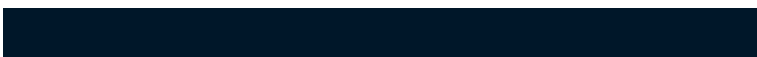
80, 6.845, 287.321



42, 3.580, 248.469



40, 45.451, 275.713



7, 14.691, 264.246



# Inverse Universe

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



81, 6.688, 340.434



95, 9.417, 340.560



84, 6.748, 105.906



41, 5.693, 340.672



36, 63.355, 355.120

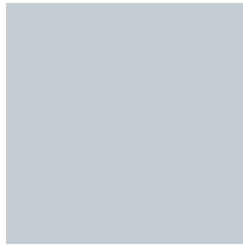


5, 22.645, 349.210



# Previews

## White Background



This preview shows how the CIE LCh color 82, 4.232, 248.179 looks on a white background.

## Color Contrast Check

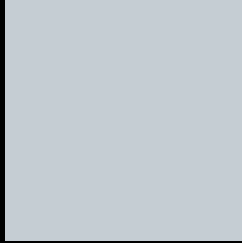
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 82, 4.232, 248.179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

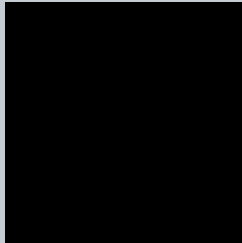
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

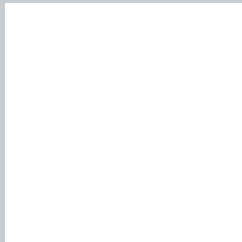
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 82, 4.232, 248.179

## Background



This preview shows how black text looks on a background with the CIELCh color 82, 4.232, 248.179.



This preview shows how white text looks on a background with the CIELCh color 82, 4.232, 248.179.

# 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

82, 4.232, 248.179

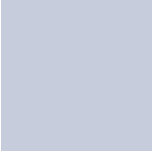
### Protanopia

82, 3.885, 306.666

### Deuteranopia

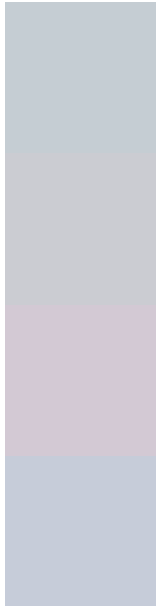
82, 11.054, 334.330





**Tritanopia**  
82, 8.627, 279.217

# Trichromacy



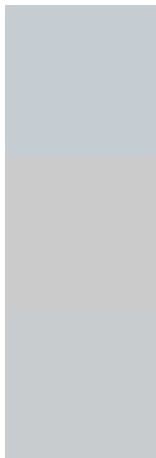
**Original Color**  
82, 4.232, 248.179

**Protanomaly**  
82, 3.200, 284.034

**Deuteranomaly**  
82, 6.899, 322.187

**Tritanomaly**  
82, 7.171, 273.663

# Monochromacy



**Original Color**  
82, 4.232, 248.179

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
82, 1.509, 244.445

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 82, 4.232, 248.179 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(197, 205, 211)` looks like.

```
.text, #text, p{  
    color:rgb(197, 205, 211)  
}
```

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(197, 205, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 205, 211) }
```

## Border

The CSS property to change the border of an element to CIELCh 82, 4.232, 248.179 is called "border". The border property can be set on classes, ids or directly on the HTML element.

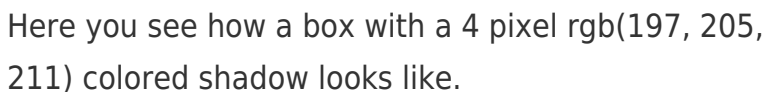
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 205, 211) }
```

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

```
.border{ border-color:rgb(197, 205, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 205, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 205, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 205, 211);  
box-shadow:4px 4px 4px 4px rgb(197, 205,  
211) }
```

# Background

The CSS property to change the background color of an element to CIELCh 82, 4.232, 248.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 205, 211) }
```

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

```
.background{ background-color: rgb(197,  
205, 211) }
```

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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