

# Converting Colors

CIELCh(62, 12.795, 142.520)

Have a look what the booklet for  
CIELCh(62, 12.795, 142.520)  
contains.

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# **Color**

**CIELCh(62, 12.803, 142.373)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	899B88
RGB	137, 155, 136
RGB Percent	54%, 61%, 53%
CMY	0.4639, 0.3933, 0.4678
CMYK	0.12, 0.00, 0.12, 0.39
HSL	117°, 9%, 57%
HSV	117°, 12%, 61%
XYZ	26.3602, 30.4025, 27.6601
YIQ	147.4520, -4.6290, -9.7250

# Conversions

## Conversions Part 2

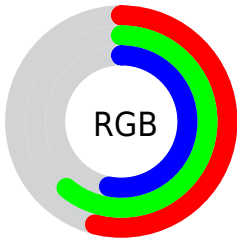
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">136, 155, 154</a>
Decimal	<a href="#">9018248</a>
CIELab	<a href="#">62.00, -10.14, 7.82</a>
CIELCh	<a href="#">62, 12.803, 142.373</a>
Yxy	<a href="#">30.4025, 0.3122, 0.3601</a>
Android (android.graphics.Color)	<a href="#">4287208328 (0xFF899B88)</a>
YUV	<a href="#">147.4520, -5.6458, -9.1664</a>
Hunter-Lab	<a href="#">55.1385, -11.1565, 8.8543</a>

# Details

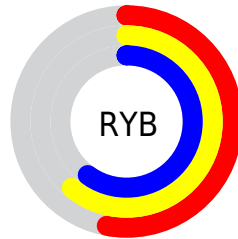
The CIELCh color  $62, 12.803, 142.373$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $59, 12.835, 323.629$ , and the grayscale version is  $61, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 12.742, 142.593$ , and  $42, 13.047, 142.020$  is the 20% darker color. If you saturate the color by 10%, you get  $61, 23.313, 141.717$ , and if you desaturate by 10%, it is  $64, 2.355, 143.001$ .

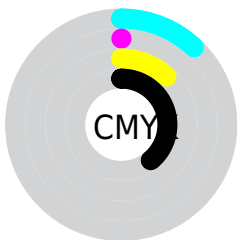
# Distribution



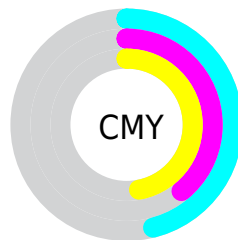
- Red (54%)
- Green (61%)
- Blue (53%)



- Red (53%)
- Yellow (61%)
- Blue (60%)



- Cyan (12%)
- Magenta (0%)
- Yellow (12%)
- Black (39%)




- Cyan (46%)
- Magenta (39%)
- Yellow (47%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 12.803, 142.373 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 62, 12.803, 142.373 by changing the saturation by 10% instead.





 62, 12.803,  
142.373


 62, 12.803,  
142.373


 100, 12.803,  
142.373


 52, 12.803,  
142.373


 82, 12.803,  
142.373

 42, 12.803,  
142.373

 92, 12.803,  
142.373

 32, 12.803,  
142.373

 22, 12.803,  
142.373

 12, 12.803,  
142.373

 2, 12.803, 142.373

 0, 12.803, 142.373

62, 12.803,  
142.373

62, 12.803,  
142.373

61, 23.313,  
141.717

64, 2.355, 143.001

59, 33.740,  
140.966

65, 7.937, 323.364

58, 43.899,  
140.119

67, 18.003,  
323.782

58, 53.546,  
139.190

69, 27.799,  
324.128

57, 62.376,  
138.222

71, 37.302,  
324.421

56, 70.014,  
137.296

73, 46.502,  
324.670


56, 76.043,  
136.529


75, 55.399,  
324.883

56, 80.099,

77, 62.138,  
326.256

136.050

 77, 62.288,  
326.561

 55, 82.161,  
135.746

# Harmonies

# Complementary

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



62, 12.803, 142.373



59, 12.835, 323.629

# Rectangle

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



62, 12.803, 142.373



62, 12.803, 192.373



62, 12.803, 322.373



62, 12.803, 12.373

# Sweetspot

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



62, 12.805, 142.374



80, 5.140, 142.869



63, 9.871, 106.140



43, 3.685, 142.823



91, 0.011, 296.813



43, 0.006, 296.813





# Same Dimension

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



62, 12.805, 142.374



78, 19.426, 142.185



62, 9.521, 159.297



32, 5.830, 142.559



51, 76.448, 135.713



3, 6.280, 143.055



# Inverse Universe

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



59, 12.835, 323.629



73, 19.474, 323.784



59, 9.630, 341.142



30, 5.844, 323.470



32, 74.271, 326.217

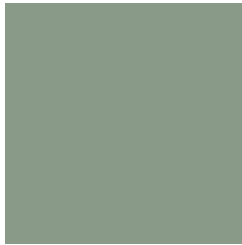


1, 6.267, 322.850



# Previews

## White Background



This preview shows how the CIELCh color 62, 12.803, 142.373 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 62, 12.803, 142.373 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

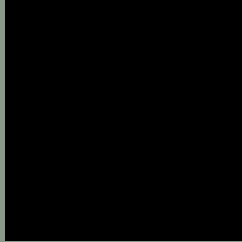
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

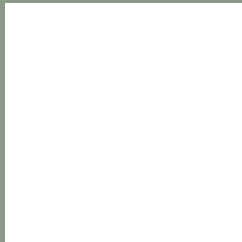
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 62, 12.803, 142.373

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 12.803, 142.373.



This preview shows how white text looks on a background with the CIELCh color 62, 12.803, 142.373.

# 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

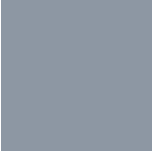


**Original Color**  
62, 12.803, 142.373

**Protanopia**  
62, 9.372, 91.578

**Deuteranopia**  
62, 10.296, 39.169





**Tritanopia**  
62, 7.589, 262.033

# Trichromacy



**Original Color**  
62, 12.803, 142.373

**Protanomaly**  
62, 9.528, 113.936

**Deuteranomaly**  
62, 7.126, 79.023

**Tritanomaly**  
62, 4.907, 205.632

# Monochromacy



**Original Color**  
62, 12.803, 142.373

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 4.800, 144.228

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 12.803, 142.373 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(137, 155, 136)` looks like.

```
.text, #text, p{  
    color:rgb(137, 155, 136)  
}
```

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(137, 155, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 155, 136) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 12.803, 142.373 is called "border". The border property can be set on classes, ids or directly on the HTML element.

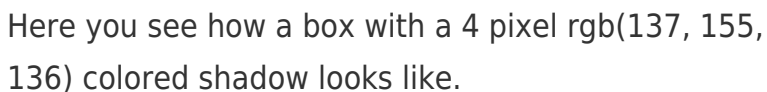
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 155, 136) }
```

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

```
.border{ border-color:rgb(137, 155, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 155, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 155, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 155, 136); box-shadow:4px 4px 4px 4px rgb(137, 155, 136) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 12.803, 142.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 155, 136) }
```

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

```
.background{ background-color: rgb(137,  
155, 136) }
```

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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