

# Converting Colors

CIELCh(62, 15.009, 140.408)

Have a look what the booklet for  
CIELCh(62, 15.009, 140.408)  
contains.

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# Color

**CIELCh(62, 14.657, 141.232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	879B85
RGB	135, 155, 133
RGB Percent	53%, 61%, 52%
CMY	0.4696, 0.3911, 0.4774
CMYK	0.13, 0.00, 0.14, 0.39
HSL	115°, 10%, 57%
HSV	115°, 14%, 61%
XYZ	26.0491, 30.4025, 26.7778
YIQ	146.5120, -4.8580, -11.0820

# Conversions

## Conversions Part 2

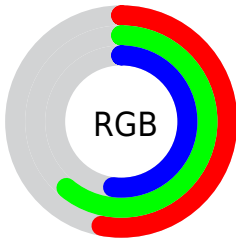
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">133, 155, 153</a>
Decimal	<a href="#">8887173</a>
CIELab	<a href="#">62.00, -11.43, 9.18</a>
CIElCh	<a href="#">62, 14.657, 141.232</a>
Yxy	<a href="#">30.4025, 0.3130, 0.3653</a>
Android (android.graphics.Color)	<a href="#">4287077253 (0xFF879B85)</a>
YUV	<a href="#">146.5120, -6.6614, -10.0960</a>
Hunter-Lab	<a href="#">55.1385, -12.1636, 9.8030</a>

# Details

The CIELCh color **62, 14.657, 141.232** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **58, 14.710, 322.635**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 14.493, 141.513**, and **42, 15.040, 140.796** is the 20% darker color. If you saturate the color by 10%, you get **61, 25.065, 140.597**, and if you desaturate by 10%, it is **63, 4.288, 141.810**.

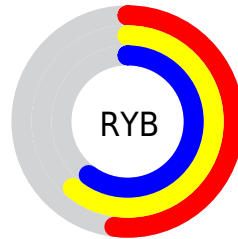
# Distribution



Red (53%)

Green (61%)

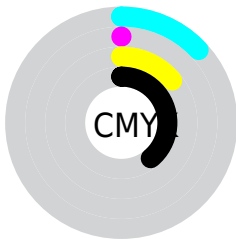
Blue (52%)



Red (52%)

Yellow (61%)

Blue (60%)

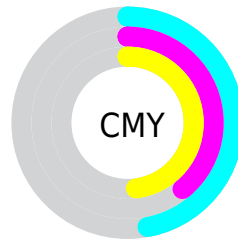


Cyan (13%)

Magenta (0%)

Yellow (14%)

Black (39%)



Cyan (47%)

Magenta (39%)


Yellow (48%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 14.657, 141.232 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, 14.657, 141.232 by changing the saturation by 10% instead.





 62, 14.657,  
141.232


 62, 14.657,  
141.232


 100, 14.657,  
141.232


 52, 14.657,  
141.232


 82, 14.657,  
141.232

 42, 14.657,  
141.232

 92, 14.657,  
141.232

 32, 14.657,  
141.232

 22, 14.657,  
141.232

 12, 14.657,  
141.232

 2, 14.657, 141.232

 0, 14.657, 141.232

62, 14.657,  
141.232

62, 14.657,  
141.232

61, 25.065,  
140.597

63, 4.288, 141.810

60, 35.369,  
139.875

65, 5.948, 322.199

59, 45.386,  
139.072

67, 15.979,  
322.618

58, 54.872,  
138.211

69, 25.760,  
322.962

57, 63.519,  
137.342

70, 35.267,  
323.252

56, 70.945,  
136.554

72, 44.486,  
323.498


56, 76.730,  
135.968


74, 53.414,  
323.708

56, 80.532,

77, 61.001,  
324.532

135.700

 77, 61.952,  
326.550

 56, 82.145,  
135.534

# Harmonies

# Complementary

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



62, 14.657, 141.232



58, 14.710, 322.635

# Rectangle

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



62, 14.657, 141.232



62, 14.657, 191.232



62, 14.657, 321.232



62, 14.657, 11.232

# Sweetspot

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



62, 14.659, 141.233



80, 5.078, 141.816



63, 11.050, 104.348



43, 3.640, 141.773



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, 14.659, 141.233



78, 21.761, 141.041



62, 11.307, 157.568



32, 5.758, 141.521



51, 76.209, 135.482



3, 6.206, 142.013



# Inverse Universe

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



58, 14.710, 322.635



72, 21.846, 322.790



58, 11.430, 339.671



30, 5.777, 322.389



31, 74.491, 324.775



1, 6.185, 321.689



# Previews

## White Background



This preview shows how the CIELCh color 62, 14.657, 141.232 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, 14.657, 141.232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

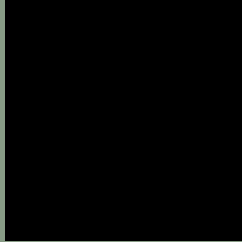
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 62, 14.657, 141.232**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 62, 14.657, 141.232.



This preview shows how white text looks on a background with the CIELCh color 62, 14.657, 141.232.

# 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, 14.657, 141.232

### Protanopia

62, 11.100, 91.887

### Deuteranopia

62, 11.148, 43.786





**Tritanopia**  
62, 7.761, 259.671

# Trichromacy



**Original Color**  
62, 14.657, 141.232

**Protanomaly**  
62, 11.193, 113.060

**Deuteranomaly**  
62, 8.120, 82.806

**Tritanomaly**  
62, 5.683, 193.278

# Monochromacy



**Original Color**  
62, 14.657, 141.232

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 5.274, 140.788

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 14.657, 141.232 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(135, 155, 133)` looks like.

```
.text, #text, p{  
    color:rgb(135, 155, 133)  
}
```

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(135, 155, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 155, 133) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 14.657, 141.232 is called "border". The border property can be set on classes, ids or directly on the HTML element.

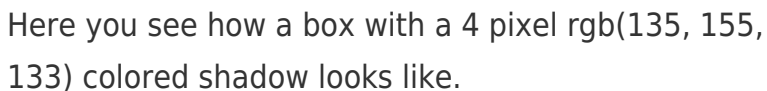
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 155, 133) }
```

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

```
.border{ border-color:rgb(135, 155, 133) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 155, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 155, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 155, 133);  
box-shadow:4px 4px 4px 4px rgb(135, 155,  
133) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 14.657, 141.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 155, 133) }
```

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

```
.background{ background-color: rgb(135,  
155, 133) }
```

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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