

# Converting Colors

CIELCh(62, 22.674, 149.856)

Have a look what the booklet for  
CIELCh(62, 22.674, 149.856)  
contains.

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# Color

**CIELCh(62, 22.674, 149.856)**

# Conversions

## Conversions Part 1

Format	Color
Hex	789F81
RGB	120, 159, 129
RGB Percent	47%, 62%, 51%
CMY	0.5292, 0.3762, 0.4939
CMYK	0.25, 0.00, 0.19, 0.38
HSL	134°, 17%, 55%
HSV	134°, 25%, 62%
XYZ	24.1300, 30.4025, 25.3867
YIQ	143.9190, -13.6140, -17.5980

# Conversions

## Conversions Part 2

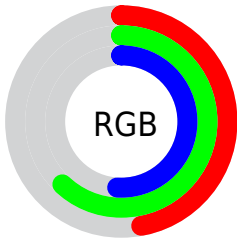
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 152, 159
Decimal	7905153
CIELab	62.00, -19.61, 11.39
CIElCh	62, 22.674, 149.856
Yxy	30.4025, 0.3019, 0.3804
Android (android.graphics.Color)	4286095233 (0xFF789F81)
YUV	143.9190, -7.3551, -20.9770
Hunter-Lab	55.1385, -18.3762, 11.2988

# Details

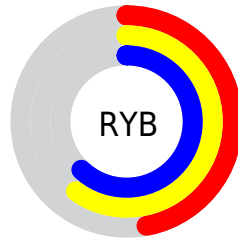
The CIELCh color **62, 22.674, 149.856** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **55, 22.801, 333.197**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 22.734, 149.874**, and **42, 22.383, 150.471** is the 20% darker color. If you saturate the color by 10%, you get **61, 31.841, 148.926**, and if you desaturate by 10%, it is **63, 13.403, 150.666**.

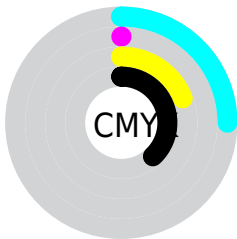
# Distribution



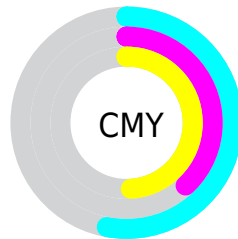
- Red (47%)
- Green (62%)
- Blue (51%)



- Red (47%)
- Yellow (60%)
- Blue (62%)



- Cyan (25%)
- Magenta (0%)
- Yellow (19%)
- Black (38%)




- Cyan (53%)
- Magenta (38%)
- Yellow (49%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 22.674, 149.856 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, 22.674, 149.856 by changing the saturation by 10% instead.



 62, 22.674,  
149.856


 62, 22.674,  
149.856


 100, 22.674,  
149.856


 52, 22.674,  
149.856


 82, 22.674,  
149.856

 42, 22.674,  
149.856

 92, 22.674,  
149.856

 32, 22.674,  
149.856

 22, 22.674,  
149.856

 12, 22.674,  
149.856

 2, 22.674, 149.856

 0, 22.674, 149.856

62, 22.674,  
149.856

62, 22.674,  
149.856

61, 31.841,  
148.926

63, 13.403,  
150.666

60, 40.748,  
147.855

65, 4.146, 151.406

59, 49.222,  
146.627

66, 4.999, 331.894

58, 57.075,  
145.235

68, 13.963,  
332.459

58, 64.122,  
143.689

70, 22.700,  
332.934

57, 70.196,  
142.021

72, 31.181,  
333.351


57, 75.165,  
140.306

74, 39.392,  
333.722

57, 77.487,

76, 47.328,  
334.055

139.470

 77, 53.411,  
331.705

# Harmonies

# Complementary

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



62, 22.674, 149.856



55, 22.801, 333.197

# Rectangle

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



62, 22.674, 149.856



62, 22.674, 199.856



62, 22.674, 329.856



62, 22.674, 19.856

# Sweetspot

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



62, 22.675, 149.856



82, 7.959, 151.210



64, 21.774, 117.038



43, 5.215, 151.171



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



62, 22.675, 149.856



78, 33.151, 149.404



62, 15.772, 174.829



33, 5.179, 151.057



51, 71.310, 139.645



3, 6.814, 151.199



# Inverse Universe

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



55, 22.801, 333.197



68, 33.347, 333.545



55, 16.992, 359.657



31, 5.198, 332.172



32, 63.049, 339.785



1, 6.591, 332.905



# Previews

## White Background



This preview shows how the CIELCh color 62, 22.674, 149.856 looks on a white background.

## Color Contrast Check

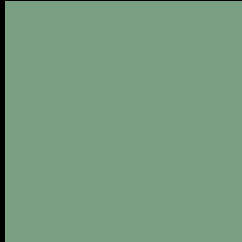
Large Text (above 18pt) WCAG AA × Fail

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 62, 22.674, 149.856 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

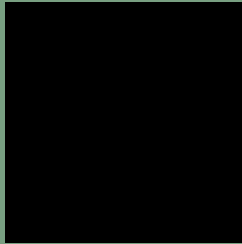
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 62, 22.674, 149.856**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 62, 22.674, 149.856.



This preview shows how white text looks on a background with the CIELCh color 62, 22.674, 149.856.

# 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, 22.674, 149.856

**Protanopia**  
62, 14.443, 93.664

**Deuteranopia**  
62, 12.684, 51.974





**Tritanopia**  
62, 11.515, 234.701

# Trichromacy



**Original Color**  
62, 22.674, 149.856

**Protanomaly**  
62, 15.488, 122.109

**Deuteranomaly**  
61, 10.130, 102.159

**Tritanomaly**  
62, 11.875, 190.167

# Monochromacy



**Original Color**  
62, 22.674, 149.856

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
60, 7.876, 153.115

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 22.674, 149.856 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(120, 159, 129)` looks like.

```
.text, #text, p{  
    color:rgb(120, 159, 129)  
}
```

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(120, 159, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 159, 129) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 22.674, 149.856 is called "border". The border property can be set on classes, ids or directly on the HTML element.

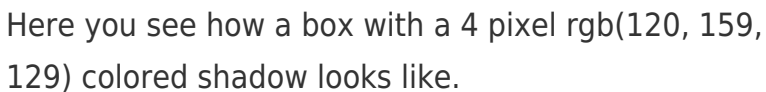
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 159, 129) }
```

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

```
.border{ border-color:rgb(120, 159, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(120, 159, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 159, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 159, 129); box-shadow:4px 4px 4px 4px rgb(120, 159, 129) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 22.674, 149.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 159, 129) }
```

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

```
.background{ background-color: rgb(120,  
159, 129) }
```

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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