

# Converting Colors

CIELCh(63, 24.078, 173.150)

Have a look what the booklet for  
CIELCh(63, 24.078, 173.150)  
contains.

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**Color**

**CIELCh(63, 23.870, 173.771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67A493
RGB	103, 164, 147
RGB Percent	40%, 64%, 58%
CMY	0.5957, 0.3564, 0.4231
CMYK	0.37, 0.00, 0.10, 0.36
HSL	163°, 25%, 52%
HSV	163°, 37%, 64%
XYZ	24.1733, 31.5869, 32.4679
YIQ	143.8230, -30.8990, -18.2190

# Conversions

## Conversions Part 2

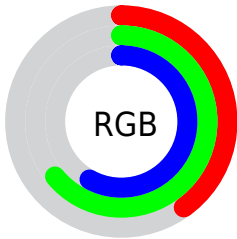
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">103, 138, 164</a>
Decimal	<a href="#">6792339</a>
CIELab	<a href="#">63.00, -23.73, 2.59</a>
CIElCh	<a href="#">63, 23.870, 173.771</a>
Yxy	<a href="#">31.5869, 0.2740, 0.3580</a>
Android (android.graphics.Color)	<a href="#">4284982419 (0xFF67A493)</a>
YUV	<a href="#">143.8230, 1.5663, -35.8018</a>
Hunter-Lab	<a href="#">56.2022, -21.5789, 5.0898</a>

# Details

The CIELCh color **63, 23.870, 173.771** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **51, 26.866, 1.774**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 23.850, 174.141**, and **43, 23.867, 174.371** is the 20% darker color. If you saturate the color by 10%, you get **62, 29.523, 172.569**, and if you desaturate by 10%, it is **64, 17.796, 174.871**.

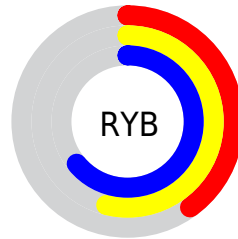
# Distribution



Red (40%)

Green (64%)

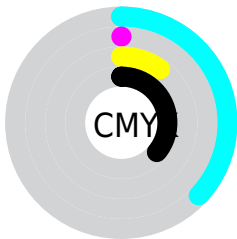
Blue (58%)



Red (40%)

Yellow (54%)

Blue (64%)

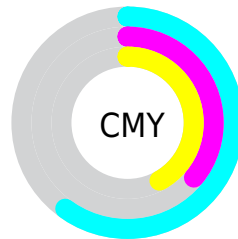


Cyan (37%)

Magenta (0%)

Yellow (10%)

Black (36%)



Cyan (60%)

Magenta (36%)


Yellow (42%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 23.870, 173.771 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 63, 23.870, 173.771 by changing the saturation by 10% instead.





 63, 23.870,  
173.771


 63, 23.870,  
173.771


 100, 23.870,  
173.771


 53, 23.870,  
173.771


 83, 23.870,  
173.771

 43, 23.870,  
173.771

 93, 23.870,  
173.771

 33, 23.870,  
173.771

 23, 23.870,  
173.771

 13, 23.870,  
173.771

 3, 23.870, 173.771

 0, 23.870, 173.771

63, 23.870,  
173.771

63, 23.870,  
173.771

62, 29.523,  
172.569

64, 17.796,  
174.871

61, 34.646,  
171.248

65, 11.408,  
175.898

61, 39.150,  
169.782

66, 4.809, 176.893

60, 42.973,  
168.149

68, 1.912, 357.475

69, 8.678, 358.486

60, 46.100,  
166.331

71, 15.430,  
359.307

60, 48.612,  
164.345

73, 22.122, 0.079

60, 49.289,  
163.795

75, 28.721, 0.815

76, 35.203, 1.520



# Harmonies

# Complementary

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



63, 23.870, 173.771



51, 26.866, 1.774

# Rectangle

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



63, 23.870, 173.771



63, 23.870, 223.771



63, 23.870, 353.771



63, 23.870, 43.771

# Sweetspot

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



63, 23.871, 173.769



84, 9.132, 176.488



63, 37.853, 134.437



44, 6.118, 176.363



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



63, 23.871, 173.769



79, 35.115, 172.735



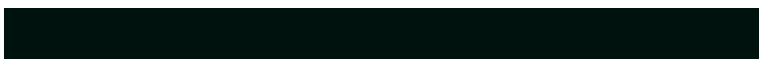
60, 17.438, 223.704



34, 3.770, 176.681



53, 44.932, 164.029



4, 6.107, 173.619



# Inverse Universe

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



51, 26.866, 1.774



61, 40.673, 3.263



53, 22.541, 40.961



32, 3.878, 358.251



30, 57.899, 21.805



1, 5.846, 359.332



# Previews

## White Background



This preview shows how the CIELCh color 63, 23.870, 173.771 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 63, 23.870, 173.771 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 63, 23.870, 173.771**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 63, 23.870, 173.771.

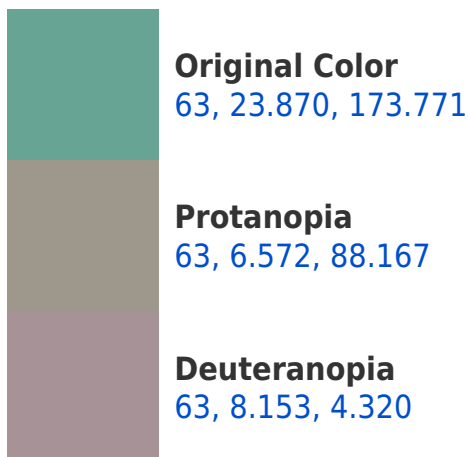


This preview shows how white text looks on a background with the CIELCh color 63, 23.870, 173.771.

# 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







**Tritanopia**  
63, 18.205, 221.828

# Trichromacy



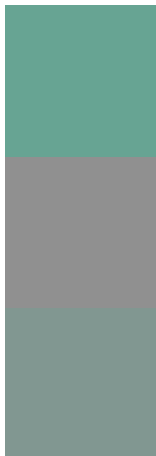
**Original Color**  
63, 23.870, 173.771

**Protanomaly**  
63, 10.379, 154.096

**Deuteranomaly**  
62, 3.846, 173.270

**Tritanomaly**  
63, 18.429, 203.116

# Monochromacy



**Original Color**  
63, 23.870, 173.771

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
61, 9.038, 176.596

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 23.870, 173.771 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(103, 164, 147)` looks like.

```
.text, #text, p{  
    color:rgb(103, 164, 147)  
}
```

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(103, 164, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 164, 147) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 23.870, 173.771 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(103, 164, 147) }
```

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

```
.border{ border-color:rgb(103, 164, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 164, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 164, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 164, 147);  
box-shadow:4px 4px 4px 4px rgb(103, 164,  
147) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 23.870, 173.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 164, 147) }
```

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

```
.background{ background-color: rgb(103,  
164, 147) }
```

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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