

# Converting Colors

CIELCh(62, 23.611, 182.754)

Have a look what the booklet for  
CIELCh(62, 23.611, 182.754)  
contains.

<b>CIELCh(62, 23.749, 182.170)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

**Color**

**CIELCh(62, 23.749, 182.170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60A297
RGB	96, 162, 151
RGB Percent	38%, 64%, 59%
CMY	0.6249, 0.3661, 0.4092
CMYK	0.41, 0.00, 0.07, 0.37
HSL	170°, 26%, 50%
HSV	170°, 41%, 63%
XYZ	23.1992, 30.4025, 33.7717
YIQ	141.0120, -35.8050, -17.4130

# Conversions

## Conversions Part 2

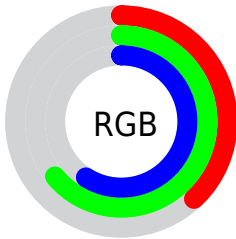
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	96, 132, 162
Decimal	6333079
CIE <sub>Lab</sub>	62.00, -23.73, -0.90
CIE <sub>LCh</sub>	62, 23.749, 182.170
Yxy	30.4025, 0.2655, 0.3480
Android (android.graphics.Color)	4284523159 (0xFF60A297)
YUV	141.0120, 4.9241, -39.4755
Hunter-Lab	55.1385, -21.3894, 2.2825

# Details

The CIELCh color **62, 23.749, 182.170** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **48, 28.711, 10.749**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 23.638, 182.052**, and **42, 23.766, 181.836** is the 20% darker color. If you saturate the color by 10%, you get **61, 28.501, 181.132**, and if you desaturate by 10%, it is **63, 18.475, 183.142**.

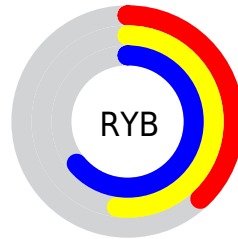
# Distribution



Red (38%)

Green (64%)

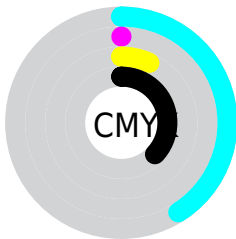
Blue (59%)



Red (38%)

Yellow (52%)

Blue (64%)

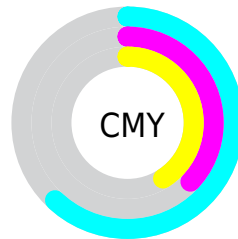


Cyan (41%)

Magenta (0%)

Yellow (7%)

Black (37%)



Cyan (62%)

Magenta (37%)


Yellow (41%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 23.749, 182.170 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, 23.749, 182.170 by changing the saturation by 10% instead.





 62, 23.749,  
182.170


 62, 23.749,  
182.170


 100, 23.749,  
182.170


 52, 23.749,  
182.170


 82, 23.749,  
182.170

 42, 23.749,  
182.170

 92, 23.749,  
182.170

 32, 23.749,  
182.170

 22, 23.749,  
182.170

 12, 23.749,  
182.170

 2, 23.749, 182.170

 0, 23.749, 182.170

62, 23.749,  
182.170

62, 23.749,  
182.170

61, 28.501,  
181.132

63, 18.475,  
183.142

61, 32.638,  
180.016

64, 12.779,  
184.072

60, 36.092,  
178.800

65, 6.763, 184.981

60, 38.828,  
177.463

66, 0.522, 186.610

68, 5.863, 6.502

60, 40.863,  
175.985

69, 12.321, 7.335

59, 42.294,  
174.550

71, 18.799, 8.118

73, 25.252, 8.873

75, 31.648, 9.606

# Harmonies

# Complementary

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



62, 23.749, 182.170



48, 28.711, 10.749

# Rectangle

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



62, 23.749, 182.170



62, 23.749, 232.170



62, 23.749, 2.170



62, 23.749, 52.170

# Sweetspot

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



62, 23.750, 182.168



82, 9.223, 184.853



61, 42.474, 137.453



43, 6.093, 184.745



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, 23.750, 182.168



78, 34.008, 181.231



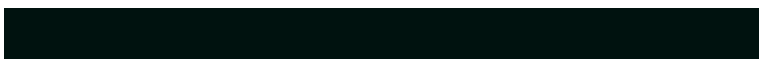
56, 18.778, 240.877



34, 3.569, 185.125



54, 39.056, 174.712



4, 5.732, 182.542





# Inverse Universe

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



48, 28.711, 10.749



58, 43.068, 12.523



53, 23.725, 52.844



32, 3.713, 6.587



30, 61.851, 30.755



1, 5.609, 7.061



# Previews

## White Background



This preview shows how the CIELCh color 62, 23.749, 182.170 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, 23.749, 182.170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

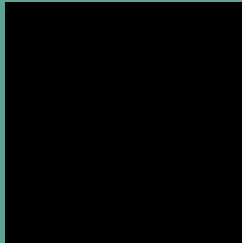
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 62, 23.749, 182.170**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 62, 23.749, 182.170.

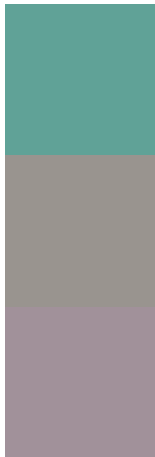


This preview shows how white text looks on a background with the CIELCh color 62, 23.749, 182.170.

# 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, 23.749, 182.170

**Protanopia**  
62, 3.407, 74.558

**Deuteranopia**  
62, 8.012, 341.157



**Tritanopia**  
62, 19.908, 217.824



# Trichromacy



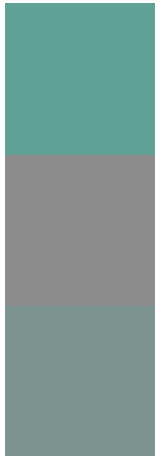
**Original Color**  
62, 23.749, 182.170

**Protanomaly**  
61, 8.940, 172.488

**Deuteranomaly**  
61, 5.340, 211.198

**Tritanomaly**  
62, 20.393, 204.055

# Monochromacy



**Original Color**  
62, 23.749, 182.170

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
60, 9.333, 184.505

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 23.749, 182.170 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(96, 162, 151)` looks like.

```
.text, #text, p{  
    color:rgb(96, 162, 151)  
}
```

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(96, 162, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 162, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 23.749, 182.170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

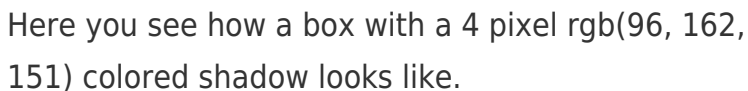
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 162, 151) }
```

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

```
.border{ border-color:rgb(96, 162, 151) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 162, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 162, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 162, 151);  
box-shadow:4px 4px 4px 4px rgb(96, 162,  
151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 23.749, 182.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 162, 151) }
```

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

```
.background{ background-color: rgb(96, 162,  
151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor