

# Converting Colors

CIELCh(62, 20.350, 133.275)

Have a look what the booklet for  
CIELCh(62, 20.350, 133.275)  
contains.

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# Color

**CIELCh(62, 20.248, 132.771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	879C7B
RGB	135, 156, 123
RGB Percent	53%, 61%, 48%
CMY	0.4702, 0.3878, 0.5173
CMYK	0.13, 0.00, 0.21, 0.39
HSL	98°, 14%, 55%
HSV	98°, 21%, 61%
XYZ	25.4944, 30.4025, 23.2956
YIQ	145.9590, -1.9230, -14.7150

# Conversions

## Conversions Part 2

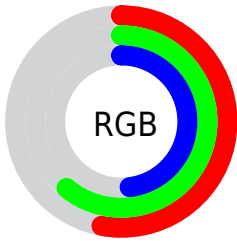
Format	Color
<b>R<sub>YB</sub></b>	123, 156, 144
Decimal	8887419
CIE <sub>Lab</sub>	62.00, -13.75, 14.86
CIE <sub>LCh</sub>	62, 20.248, 132.771
Yxy	30.4025, 0.3219, 0.3839
Android (android.graphics.Color)	4287077499 (0xFF879C7B)
YUV	145.9590, -11.3188, -9.6110
Hunter-Lab	55.1385, -13.9594, 13.5474

# Details

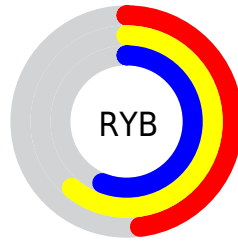
The CIELCh color  $62, 20.248, 132.771$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $55, 20.648, 314.564$ , and the grayscale version is  $61, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 20.413, 133.642$ , and  $42, 20.471, 132.701$  is the 20% darker color. If you saturate the color by 10%, you get  $61, 29.797, 132.281$ , and if you desaturate by 10%, it is  $63, 10.650, 133.236$ .

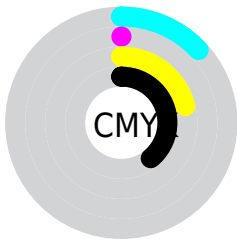
# Distribution



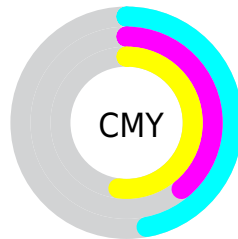
- Red (53%)
- Green (61%)
- Blue (48%)



- Red (48%)
- Yellow (61%)
- Blue (56%)



- Cyan (13%)
- Magenta (0%)
- Yellow (21%)
- Black (39%)




- Cyan (47%)
- Magenta (39%)
- Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 20.248, 132.771 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 62, 20.248, 132.771 by changing the saturation by 10% instead.





 62, 20.248,  
132.771


 62, 20.248,  
132.771


 100, 20.248,  
132.771


 52, 20.248,  
132.771


 82, 20.248,  
132.771

 42, 20.248,  
132.771

 92, 20.248,  
132.771

 32, 20.248,  
132.771

 22, 20.248,  
132.771

 12, 20.248,  
132.771

 2, 20.248, 132.771

 0, 20.248, 132.771

62, 20.248,  
132.771

62, 20.248,  
132.771

61, 29.797,  
132.281

63, 10.650,  
133.236

60, 39.177,  
131.777

64, 1.081, 133.766

59, 48.226,  
131.293

66, 8.397, 314.001

59, 56.720,  
130.884

67, 17.744,  
314.342

58, 64.348,  
130.635

68, 26.931,  
314.638

57, 70.731,  
130.661

70, 35.938,  
314.896


57, 75.491,  
131.079

71, 44.754,  
315.120

57, 78.565,

73, 53.374,  
315.315

131.657

 74, 57.708,  
317.145

# Harmonies

# Complementary

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



62, 20.248, 132.771



55, 20.648, 314.564

# Rectangle

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



62, 20.248, 132.771



62, 20.248, 182.771



62, 20.248, 312.771



62, 20.248, 2.771

# Sweetspot

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



62, 20.250, 132.772



81, 7.114, 133.462



60, 12.778, 85.703



43, 4.710, 133.435



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, 20.250, 132.772



79, 29.774, 132.562



61, 20.664, 146.908



33, 5.456, 133.321



52, 73.515, 131.545



3, 7.170, 134.298



# Inverse Universe

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



55, 20.648, 314.564



68, 30.483, 314.756



56, 20.711, 329.530



31, 5.509, 314.047



24, 78.611, 315.651



1, 7.077, 312.601



# Previews

## White Background



This preview shows how the CIELCh color 62, 20.248, 132.771 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 CIELCh color 62, 20.248, 132.771 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 62, 20.248, 132.771**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 62, 20.248, 132.771.



This preview shows how white text looks on a background with the CIELCh color 62, 20.248, 132.771.

# 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

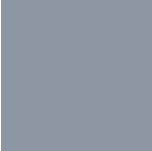


**Original Color**  
62, 20.248, 132.771

**Protanopia**  
62, 16.710, 93.878

**Deuteranopia**  
62, 15.535, 60.247





**Tritanopia**  
62, 7.589, 262.033

# Trichromacy



**Original Color**  
62, 20.248, 132.771

**Protanomaly**  
62, 17.257, 110.992

**Deuteranomaly**  
62, 13.641, 89.250

**Tritanomaly**  
62, 6.067, 171.374

# Monochromacy



**Original Color**  
62, 20.248, 132.771

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 7.452, 134.360

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 20.248, 132.771 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(135, 156, 123)` looks like.

```
.text, #text, p{  
    color:rgb(135, 156, 123)  
}
```

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, 156, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 156, 123) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 20.248, 132.771 is called "border". The border property can be set on classes, ids or directly on the HTML element.

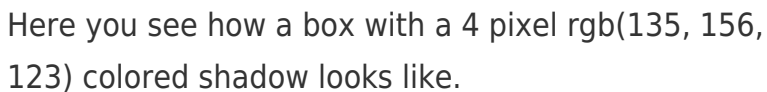
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 156, 123) }
```

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

```
.border{ border-color:rgb(135, 156, 123) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 156, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 156, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 156, 123); box-shadow:4px 4px 4px 4px rgb(135, 156, 123) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 20.248, 132.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 156, 123) }
```

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

```
.background{ background-color: rgb(135,  
156, 123) }
```

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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