

# Converting Colors

CIELCh(63, 23.882, 42.322)

Have a look what the booklet for  
CIELCh(63, 23.882, 42.322) contains.

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# Color

**CIELCh(63, 23.771, 41.660)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C08C7D
RGB	192, 140, 125
RGB Percent	75%, 55%, 49%
CMY	0.2457, 0.4497, 0.5086
CMYK	0.00, 0.27, 0.35, 0.25
HSL	13°, 35%, 62%
HSV	13°, 35%, 75%
XYZ	34.9690, 31.5869, 23.7583
YIQ	153.8380, 35.8070, 6.3590

# Conversions

## Conversions Part 2

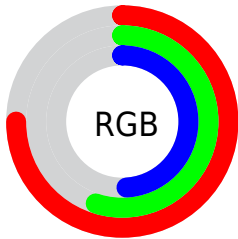
Format	Color
<a href="#">RYB</a>	<a href="#">192, 144, 125</a>
Decimal	<a href="#">12618877</a>
CIELab	<a href="#">63.00, 17.76, 15.80</a>
CIElCh	<a href="#">63, 23.771, 41.660</a>
Yxy	<a href="#">31.5869, 0.3872, 0.3497</a>
Android (android.graphics.Color)	<a href="#">4290808957 (0xFFC08C7D)</a>
YUV	<a href="#">153.8380, -14.2171, 33.4681</a>
Hunter-Lab	<a href="#">56.2022, 12.7088, 14.2780</a>

# Details

The CIELCh color **63, 23.771, 41.660** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **69, 18.705, 224.521**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 23.771, 41.481**, and **43, 23.768, 42.301** is the 20% darker color. If you saturate the color by 10%, you get **59, 31.866, 41.806**, and if you desaturate by 10%, it is **67, 16.264, 41.685**.

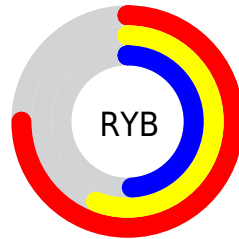
# Distribution



Red (75%)

Green (55%)

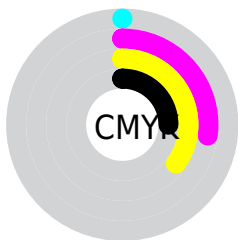
Blue (49%)



Red (75%)

Yellow (56%)

Blue (49%)

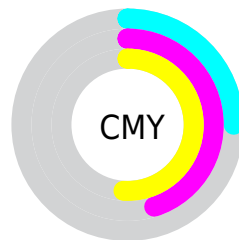


Cyan (0%)

Magenta (27%)

Yellow (35%)

Black (25%)



Cyan (25%)

Magenta (45%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 23.771, 41.660 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, 23.771, 41.660 by changing the saturation by 10% instead.



63, 23.771, 41.660

63, 23.771, 41.660

100, 23.771,  
41.660

53, 23.771, 41.660

83, 23.771, 41.660

43, 23.771, 41.660

93, 23.771, 41.660

33, 23.771, 41.660

23, 23.771, 41.660

13, 23.771, 41.660

3, 23.771, 41.660

0, 23.771, 41.660

63, 23.771, 41.660

63, 23.771, 41.660

59, 31.866, 41.806

67, 16.264, 41.685

55, 40.534, 42.135

71, 9.330, 41.822

52, 49.687, 42.666

76, 2.927, 41.960

49, 59.098, 43.352

80, 2.994, 222.647

46, 68.248, 44.004

85, 8.485, 222.923

44, 76.017, 44.130

89, 13.594,  
223.325

43, 79.509, 44.212

93, 17.692,  
215.804

96, 20.409,  
198.162

# Harmonies

# Complementary

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



63, 23.771, 41.660



69, 18.705, 224.521

# Rectangle

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



63, 23.771, 41.660



63, 23.771, 91.660



63, 23.771, 221.660



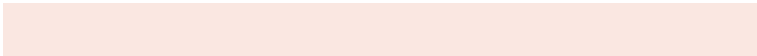
63, 23.771, 271.660

# Sweetspot

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



63, 23.770, 41.666



93, 7.625, 41.906



61, 38.090, 333.407



49, 5.231, 41.880



99, 0.012, 296.813



52, 0.007, 296.813



# Same Dimension

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



63, 23.770, 41.666



76, 36.585, 41.760



71, 27.202, 90.560



39, 3.505, 41.919



36, 69.237, 44.560



4, 12.271, 33.522





# Inverse Universe

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



69, 18.705, 224.521



86, 26.997, 225.415



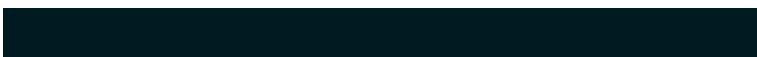
60, 27.575, 280.316



40, 3.313, 222.755



48, 31.529, 240.246



8, 10.340, 231.855



# Previews

## White Background



This preview shows how the CIELCh color 63, 23.771, 41.660 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, 23.771, 41.660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

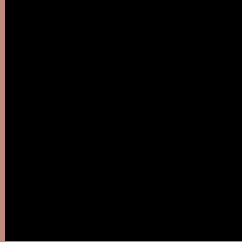
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 63, 23.771, 41.660

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 23.771, 41.660.

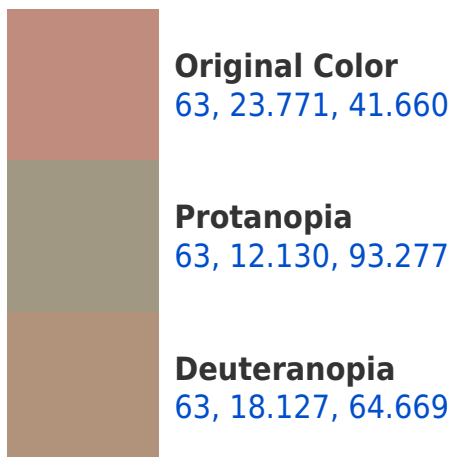



This preview shows how white text looks on a background with the CIELCh color 63, 23.771, 41.660.

# 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, 23.930, 7.313



# Trichromacy



**Original Color**  
63, 23.771, 41.660

**Protanomaly**  
63, 14.606, 66.080

**Deuteranomaly**  
63, 20.061, 55.823

**Tritanomaly**  
63, 22.901, 19.019

# Monochromacy



**Original Color**  
63, 23.771, 41.660

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
63, 8.080, 40.099

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 23.771, 41.660 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(192, 140, 125)` looks like.

```
.text, #text, p{  
    color:rgb(192, 140, 125)  
}
```

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(192, 140, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 140, 125) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 23.771, 41.660 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(192, 140, 125) }
```

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

```
.border{ border-color:rgb(192, 140, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 140, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 140, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 140, 125); box-shadow:4px 4px 4px 4px rgb(192, 140, 125) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 23.771, 41.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 140, 125) }
```

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

```
.background{ background-color: rgb(192,  
140, 125) }
```

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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