

# Converting Colors

CIELCh(62, 24.305, 96.333)

Have a look what the booklet for  
CIELCh(62, 24.305, 96.333) contains.

<b>CIELCh(62, 24.333, 96.311)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(62, 24.333, 96.311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1966B
RGB	161, 150, 107
RGB Percent	63%, 59%, 42%
CMY	0.3691, 0.4122, 0.5808
CMYK	0.00, 0.07, 0.34, 0.37
HSL	48°, 22%, 53%
HSV	48°, 34%, 63%
XYZ	28.2125, 30.4025, 18.2626
YIQ	148.3870, 20.3590, -11.0410

# Conversions

## Conversions Part 2

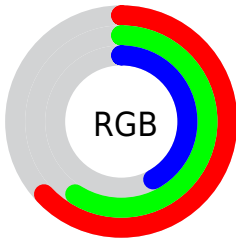
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 161, 107
Decimal	10589803
CIELab	62.00, -2.67, 24.19
CIElCh	62, 24.333, 96.311
Yxy	30.4025, 0.3670, 0.3955
Android (android.graphics.Color)	4288779883 (0xFFA1966B)
YUV	148.3870, -20.4038, 11.0616
Hunter-Lab	55.1385, -5.1600, 18.9593

# Details

The CIELCh color **62, 24.333, 96.311** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **50, 25.283, 284.968**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 24.137, 96.662**, and **42, 24.130, 96.375** is the 20% darker color. If you saturate the color by 10%, you get **61, 31.554, 95.108**, and if you desaturate by 10%, it is **63, 17.053, 97.501**.

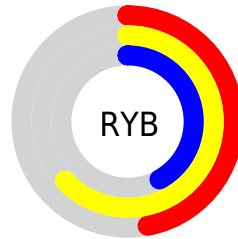
# Distribution



Red (63%)

Green (59%)

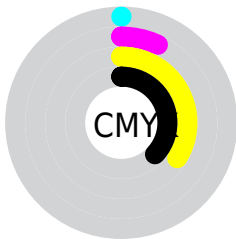
Blue (42%)



Red (47%)

Yellow (63%)

Blue (42%)

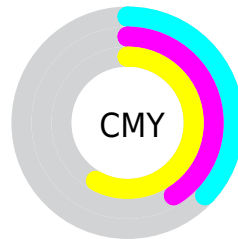


Cyan (0%)

Magenta (7%)

Yellow (34%)

Black (37%)



Cyan (37%)

Magenta (41%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 24.333, 96.311 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, 24.333, 96.311 by changing the saturation by 10% instead.



■ 62, 24.333, 96.311

■ 62, 24.333, 96.311

■ 100, 24.333,  
96.311

■ 52, 24.333, 96.311

■ 82, 24.333, 96.311

■ 42, 24.333, 96.311

■ 92, 24.333, 96.311

■ 32, 24.333, 96.311

■ 22, 24.333, 96.311

■ 12, 24.333, 96.311

■ 2, 24.333, 96.311

■ 0, 24.333, 96.311

■ 62, 24.333, 96.311

■ 62, 24.333, 96.311

■ 61, 31.554, 95.108

■ 63, 17.053, 97.501

60, 38.597, 93.884

64, 9.779, 98.655

59, 45.261, 92.645

66, 2.549, 99.742

58, 51.226, 91.385

67, 4.617, 280.911

57, 56.021, 90.079

68, 11.712,  
281.938

56, 59.110, 88.676

70, 18.730,  
282.932

55, 60.514, 87.743

71, 25.672,  
283.882

73, 32.538,  
284.785

74, 39.331,  
285.640

# Harmonies

# Complementary

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



62, 24.333, 96.311



50, 25.283, 284.968

# Rectangle

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



62, 24.333, 96.311



62, 24.333, 146.311



62, 24.333, 276.311



62, 24.333, 326.311

# Sweetspot

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



62, 24.334, 96.316



82, 8.915, 99.034



51, 23.365, 5.779



43, 6.074, 98.887



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, 24.334, 96.316



78, 35.894, 95.448



64, 30.218, 119.214



34, 4.120, 99.135



50, 56.217, 87.892



4, 6.081, 97.085





# Inverse Universe

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



50, 25.283, 284.968



60, 37.726, 286.350



49, 32.357, 303.530



32, 4.165, 281.292



20, 75.405, 301.806



1, 6.546, 281.324



# Previews

## White Background



This preview shows how the CIELCh color 62, 24.333, 96.311 looks on a white background.

## Color Contrast Check

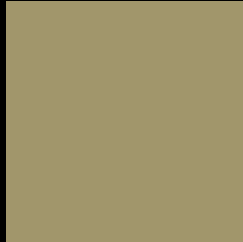
Large Text (above 18pt) WCAG AA × Fail

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, 24.333, 96.311 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, 24.333, 96.311

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 24.333, 96.311.



This preview shows how white text looks on a background with the CIELCh color 62, 24.333, 96.311.

# 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, 24.333, 96.311

### Protanopia

62, 24.333, 96.311

### Deuteranopia

62, 25.200, 72.023



**Tritanopia**  
62, 10.538, 344.725



# Trichromacy



**Original Color**  
62, 24.333, 96.311

**Protanomaly**  
62, 24.333, 96.311

**Deuteranomaly**  
62, 24.136, 80.004

**Tritanomaly**  
62, 8.537, 51.423

# Monochromacy



**Original Color**  
62, 24.333, 96.311

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
62, 9.082, 98.937

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 24.333, 96.311 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(161, 150, 107)` looks like.

```
.text, #text, p{  
    color:rgb(161, 150, 107)  
}
```

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(161, 150, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 150, 107) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 24.333, 96.311 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(161, 150, 107) }
```

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

```
.border{ border-color:rgb(161, 150, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 150, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 150, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 150, 107);  
box-shadow:4px 4px 4px 4px rgb(161, 150,  
107) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 24.333, 96.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 150, 107) }
```

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

```
.background{ background-color: rgb(161,  
150, 107) }
```

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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