

# Converting Colors

CIELCh(61, 18.388, 127.584)

Have a look what the booklet for  
CIELCh(61, 18.388, 127.584)  
contains.

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# Color

**CIELCh(61, 18.366, 127.590)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	899879
RGB	137, 152, 121
RGB Percent	54%, 60%, 47%
CMY	0.4619, 0.4031, 0.5247
CMYK	0.10, 0.00, 0.20, 0.40
HSL	89°, 13%, 54%
HSV	89°, 20%, 60%
XYZ	25.0783, 29.2481, 22.4793
YIQ	143.9810, 1.0110, -12.8210

# Conversions

## Conversions Part 2

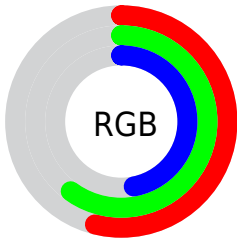
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 152, 136
Decimal	9017465
CIELab	61.00, -11.20, 14.55
CIELCh	61, 18.366, 127.590
Yxy	29.2481, 0.3265, 0.3808
Android (android.graphics.Color)	4287207545 (0xFF899879)
YUV	143.9810, -11.3296, -6.1223
Hunter-Lab	54.0815, -11.8701, 13.2129

# Details

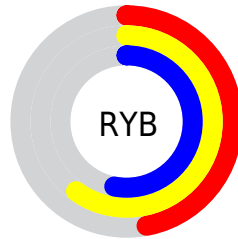
The CIELCh color  $61, 18.366, 127.590$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $53, 18.891, 309.450$ , and the grayscale version is  $60, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 18.358, 126.722$ , and  $41, 18.461, 127.208$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 27.324, 127.113$ , and if you desaturate by 10%, it is  $62, 9.346, 128.061$ .

# Distribution



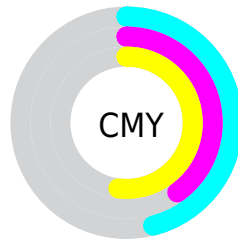
- Red (54%)
- Green (60%)
- Blue (47%)



- Red (47%)
- Yellow (60%)
- Blue (53%)



- Cyan (10%)
- Magenta (0%)
- Yellow (20%)
- Black (40%)




- Cyan (46%)
- Magenta (40%)
- Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 18.366, 127.590 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 61, 18.366, 127.590 by changing the saturation by 10% instead.





 61, 18.366,  
127.590


 61, 18.366,  
127.590


 100, 18.366,  
127.590


 51, 18.366,  
127.590


 81, 18.366,  
127.590

 41, 18.366,  
127.590

 91, 18.366,  
127.590

 31, 18.366,  
127.590

 21, 18.366,  
127.590

 11, 18.366,  
127.590

 1, 18.366, 127.590

 0, 18.366, 127.590

61, 18.366,  
127.590

61, 18.366,  
127.590

60, 27.324,  
127.113

62, 9.346, 128.061

59, 36.119,  
126.643

63, 0.327, 128.770

64, 8.639, 308.884

59, 44.612,  
126.216

65, 17.519,  
309.261

58, 52.603,  
125.887

66, 26.288,  
309.601

58, 59.813,  
125.739

67, 34.928,  
309.906

57, 65.885,  
125.882


69, 43.427,  
310.180

57, 70.461,  
126.433

70, 51.778,  
310.424

56, 73.665,

127.253

 71, 58.365,  
311.080

# Harmonies

# Complementary

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



61, 18.366, 127.590



53, 18.891, 309.450

# Rectangle

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



61, 18.366, 127.590



61, 18.366, 177.590



61, 18.366, 307.590



61, 18.366, 357.590

# Sweetspot

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



61, 18.368, 127.592



79, 6.714, 128.257



58, 10.822, 71.170



42, 4.443, 128.230



90, 0.011, 296.813



42, 0.006, 296.813





# Same Dimension

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



61, 18.368, 127.592



77, 26.894, 127.396



60, 21.280, 142.759



32, 5.112, 128.113



52, 69.313, 127.133



3, 5.543, 128.808



# Inverse Universe

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



53, 18.891, 309.450



66, 27.826, 309.662



55, 21.308, 325.055



30, 5.182, 308.902



21, 80.059, 311.789

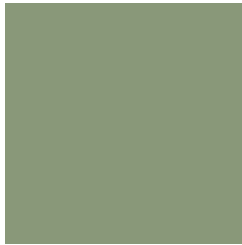


1, 5.524, 308.216



# Previews

## White Background



This preview shows how the CIELCh color 61, 18.366, 127.590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 18.366, 127.590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

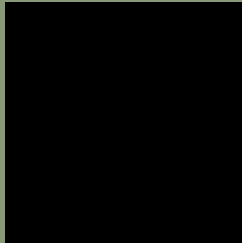
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 61, 18.366, 127.590**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 61, 18.366, 127.590.

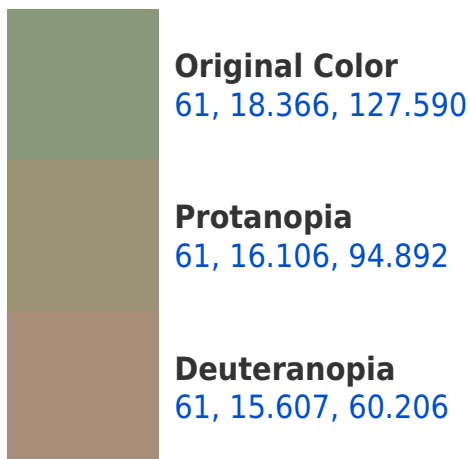


This preview shows how white text looks on a background with the CIELCh color 61, 18.366, 127.590.

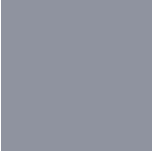
# Color Blindness Simulation

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**  
61, 6.892, 278.480

# Trichromacy



**Original Color**  
61, 18.366, 127.590

**Protanomaly**  
61, 16.184, 108.346

**Deuteranomaly**  
61, 13.842, 87.567

**Tritanomaly**  
61, 3.839, 163.307

# Monochromacy



**Original Color**  
61, 18.366, 127.590

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
60, 6.506, 127.145

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 18.366, 127.590 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(137, 152, 121)` looks like.

```
.text, #text, p{  
    color:rgb(137, 152, 121)  
}
```

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(137, 152, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 152, 121) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 18.366, 127.590 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(137, 152, 121) }
```

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

```
.border{ border-color:rgb(137, 152, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 152, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 152, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 152, 121);  
box-shadow:4px 4px 4px 4px rgb(137, 152,  
121) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 18.366, 127.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 152, 121) }
```

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

```
.background{ background-color: rgb(137,  
152, 121) }
```

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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