

Converting Colors

CIELCh(61, 62.127, 90.056)

Have a look what the booklet for
CIELCh(61, 62.127, 90.056) contains.

CIELCh(61, 62.249, 90.120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(61, 62.249, 90.120)

Conversions

Conversions Part 1

Format	Color
Hex	AF9112
RGB	175, 145, 18
RGB Percent	69%, 57%, 7%
CMY	0.3154, 0.4328, 0.9279
CMYK	0.00, 0.17, 0.89, 0.32
HSL	48°, 81%, 38%
HSV	48°, 89%, 68%
XYZ	27.7667, 29.2481, 4.7711
YIQ	139.4920, 58.6470, -33.1370

Conversions

Conversions Part 2

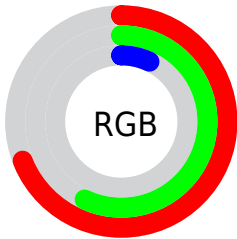
Format	Color
R_{YB}	55, 175, 18
Decimal	11505938
CIE Lab	61.00, -0.13, 62.25
CIE LCh	61, 62.249, 90.120
Yxy	29.2481, 0.4494, 0.4734
Android (android.graphics.Color)	4289696018 (0xFFAF9112)
YUV	139.4920, -59.8956, 31.1405
Hunter-Lab	54.0815, -2.9966, 32.6265

Details

The CIELCh color **61, 62.249, 90.120** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **28, 79.526, 299.917**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 62.227, 90.031**, and **41, 48.634, 88.956** is the 20% darker color. If you saturate the color by 10%, you get **60, 64.470, 88.727**, and if you desaturate by 10%, it is **62, 58.267, 91.431**.

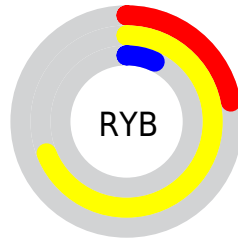
Distribution



Red (69%)

Green (57%)

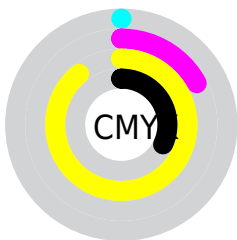
Blue (7%)



Red (22%)

Yellow (69%)

Blue (7%)

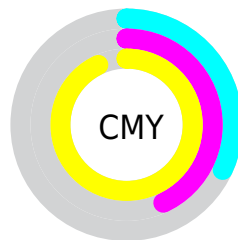


Cyan (0%)

Magenta (17%)

Yellow (89%)

Black (32%)



Cyan (32%)

Magenta (43%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 62.249, 90.120 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, 62.249, 90.120 by changing the saturation by 10% instead.

■ 61, 62.249, 90.120

■ 61, 62.249, 90.120

■ 100, 62.249,
90.120

■ 51, 62.249, 90.120

■ 81, 62.249, 90.120

■ 41, 62.249, 90.120

■ 91, 62.249, 90.120

■ 31, 62.249, 90.120

■ 21, 62.249, 90.120

■ 11, 62.249, 90.120

■ 1, 62.249, 90.120

■ 0, 62.249, 90.120

■ 61, 62.249, 90.120

■ 61, 62.249, 90.120

■ 60, 64.470, 88.727

■ 62, 58.267, 91.431

60, 64.585, 88.654

63, 52.635, 92.682

64, 45.923, 93.910

65, 38.582, 95.127

66, 30.909, 96.334

68, 23.087, 97.526

69, 15.221, 98.694

70, 7.373, 99.827

71, 0.426, 281.276

Harmonies

Complementary

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



61, 62.249, 90.120



28, 79.526, 299.917

Rectangle

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



61, 62.249, 90.120



61, 62.249, 140.120



61, 62.249, 270.120



61, 62.249, 320.120

Sweetspot

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



61, 62.248, 90.123



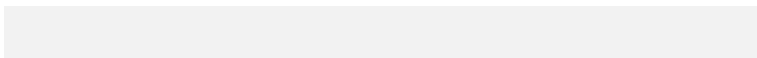
86, 26.183, 97.761



37, 64.612, 23.882



45, 17.791, 97.367



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



61, 62.248, 90.123



76, 78.450, 88.366



66, 73.832, 118.946



36, 4.386, 99.845



52, 57.947, 88.847



6, 8.589, 96.399

Inverse Universe

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



28, 79.526, 299.917



33, 109.309, 303.032



26, 91.972, 308.352



34, 4.438, 281.999



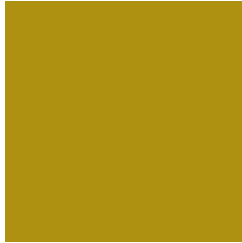
20, 78.562, 302.289



1, 9.634, 282.902

Previews

White Background



This preview shows how the CIELCh color 61, 62.249, 90.120 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 CIELCh color 61, 62.249, 90.120 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, 62.249, 90.120

Background



This preview shows how black text looks on a background with the CIELCh color 61, 62.249, 90.120.

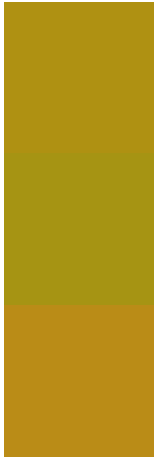


This preview shows how white text looks on a background with the CIELCh color 61, 62.249, 90.120.

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


61, 62.460, 90.138

Protanopia

61, 62.098, 95.408

Deuteranopia

61, 62.167, 82.906



Tritanopia
61, 19.573, 5.015

Trichromacy



Original Color
61, 62.460, 90.138

Protanomaly
61, 62.080, 93.645

Deuteranomaly
61, 62.238, 85.642

Tritanomaly
61, 28.956, 69.897

Monochromacy



Original Color
61, 62.460, 90.138

Achromatopsia
58, 0.007, 296.813

Achromatomaly
59, 26.214, 96.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 62.249, 90.120 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(175, 145, 18)` looks like.

```
.text, #text, p{  
    color:rgb(175, 145, 18)  
}
```

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(175, 145, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 145, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 62.249, 90.120 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(175, 145, 18) }
```

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

```
.border{ border-color:rgb(175, 145, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 145, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 145, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 145, 18);  
box-shadow:4px 4px 4px 4px rgb(175, 145,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 62.249, 90.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 145, 18) }
```

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

```
.background{ background-color: rgb(175,  
145, 18) }
```

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