

Converting Colors

CIELCh(61, 27.483, 109.756)

Have a look what the booklet for
CIELCh(61, 27.483, 109.756)
contains.

CIELCh(61, 27.655, 109.719)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(61, 27.655, 109.719)

Conversions

Conversions Part 1

Format	Color
Hex	949765
RGB	148, 151, 101
RGB Percent	58%, 59%, 40%
CMY	0.4207, 0.4089, 0.6049
CMYK	0.02, 0.00, 0.33, 0.41
HSL	64°, 20%, 49%
HSV	64°, 33%, 59%
XYZ	25.5201, 29.2481, 16.5452
YIQ	144.4030, 14.2620, -16.1860

Conversions

Conversions Part 2

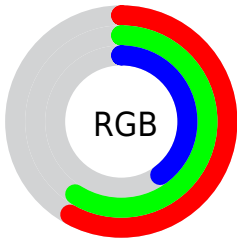
Format	Color
RYB	101, 151, 104
Decimal	9738085
CIELab	61.00, -9.33, 26.03
CIELCh	61, 27.655, 109.719
Yxy	29.2481, 0.3579, 0.4101
Android (android.graphics.Color)	4287928165 (0xFF949765)
YUV	144.4030, -21.3977, 3.1546
Hunter-Lab	54.0815, -10.4118, 19.7184

Details

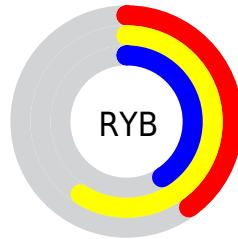
The CIELCh color $61, 27.655, 109.719$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $45, 29.936, 296.166$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 27.806, 109.322$, and $41, 27.680, 109.890$ is the 20% darker color. If you saturate the color by 10%, you get $61, 35.639, 108.900$, and if you desaturate by 10%, it is $61, 19.438, 110.572$.

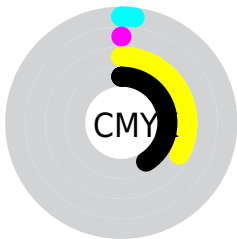
Distribution



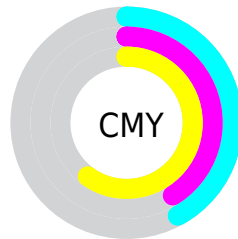
- Red (58%)
- Green (59%)
- Blue (40%)



- Red (40%)
- Yellow (59%)
- Blue (41%)



- Cyan (2%)
- Magenta (0%)
- Yellow (33%)
- Black (41%)





- Cyan (42%)
- Magenta (41%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 27.655, 109.719 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, 27.655, 109.719 by changing the saturation by 10% instead.


 61, 27.655,
109.719


 61, 27.655,
109.719


 100, 27.655,
109.719


 51, 27.655,
109.719


 81, 27.655,
109.719

 41, 27.655,
109.719

 91, 27.655,
109.719

 31, 27.655,
109.719

 21, 27.655,
109.719

 11, 27.655,
109.719

 1, 27.655, 109.719

 0, 27.655, 109.719

■ 61, 27.655,
109.719

■ 61, 27.655,
109.719

■ 61, 35.639,
108.900

■ 61, 19.438,
110.572

■ 60, 43.233,
108.134

■ 62, 11.086,
111.428

■ 60, 50.212,
107.461

■ 62, 2.664, 112.268

■ 60, 56.262,
106.928

■ 63, 5.784, 293.116

■ 60, 61.004,
106.587

■ 63, 14.226,
293.916

■ 60, 64.107,
106.486

■ 64, 22.643,
294.685

■ 60, 65.639,
106.500

■ 64, 31.017,
295.419

■ 65, 39.337,
296.114

■ 66, 47.593,
296.769

Harmonies

Complementary

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



61, 27.655, 109.719



45, 29.936, 296.166

Rectangle

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



61, 27.655, 109.719



61, 27.655, 159.719



61, 27.655, 289.719



61, 27.655, 339.719

Sweetspot

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



61, 27.656, 109.722



79, 10.453, 111.680



49, 20.850, 25.933



42, 7.186, 111.570



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, 27.656, 109.722



77, 41.083, 109.090



59, 30.076, 129.312



32, 4.821, 111.762



56, 62.276, 106.477



3, 5.237, 112.827

Inverse Universe

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



45, 29.936, 296.166



53, 45.496, 297.283



47, 31.307, 312.293



30, 4.924, 293.379



15, 85.420, 306.534



0, 5.237, 292.505

Previews

White Background



This preview shows how the CIE LCh color 61, 27.655, 109.719 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, 27.655, 109.719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

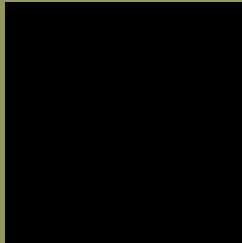
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 27.655, 109.719

Background



This preview shows how black text looks on a background with the CIELCh color 61, 27.655, 109.719.



This preview shows how white text looks on a background with the CIELCh color 61, 27.655, 109.719.

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

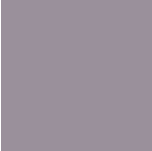
61, 27.655, 109.719

Protanopia

61, 27.191, 96.049

Deuteranopia

61, 26.257, 73.144



Tritanopia
61, 7.320, 322.282

Trichromacy



Original Color
61, 27.655, 109.719

Protanomaly
61, 26.805, 100.648

Deuteranomaly
61, 25.602, 87.529

Tritanomaly
61, 6.614, 88.127

Monochromacy



Original Color
61, 27.655, 109.719

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 10.116, 111.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 27.655, 109.719 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(148, 151, 101)` looks like.

```
.text, #text, p{  
    color:rgb(148, 151, 101)  
}
```

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(148, 151, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 151, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 27.655, 109.719 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(148, 151, 101) }
```

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

```
.border{ border-color:rgb(148, 151, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 151, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 151, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 151, 101);  
box-shadow:4px 4px 4px 4px rgb(148, 151,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 27.655, 109.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 151, 101) }
```

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

```
.background{ background-color: rgb(148,  
151, 101) }
```

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