

Converting Colors

CIELCh(61, 18.510, 114.521)

Have a look what the booklet for
CIELCh(61, 18.510, 114.521)
contains.

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Color

CIELCh(61, 18.510, 114.521)

Conversions

Conversions Part 1

Format	Color
Hex	919675
RGB	145, 150, 117
RGB Percent	57%, 59%, 46%
CMY	0.4302, 0.4106, 0.5400
CMYK	0.03, 0.00, 0.22, 0.41
HSL	69°, 14%, 52%
HSV	69°, 22%, 59%
XYZ	25.9135, 29.2481, 21.1994
YIQ	144.7430, 7.6130, -11.3230

Conversions

Conversions Part 2

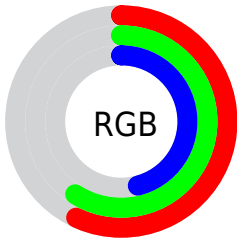
Format	Color
RYB	117, 150, 122
Decimal	9541237
CIELab	61.00, -7.68, 16.84
CIElCh	61, 18.510, 114.521
Yxy	29.2481, 0.3394, 0.3830
Android (android.graphics.Color)	4287731317 (0xFF919675)
YUV	144.7430, -13.6773, 0.2254
Hunter-Lab	54.0815, -9.1135, 14.6160

Details

The CIELCh color $61, 18.510, 114.521$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $51, 19.417, 297.953$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 18.562, 114.491$, and $41, 18.090, 114.651$ is the 20% darker color. If you saturate the color by 10%, you get $61, 26.788, 113.796$, and if you desaturate by 10%, it is $62, 10.113, 115.257$.

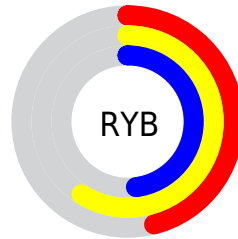
Distribution



Red (57%)

Green (59%)

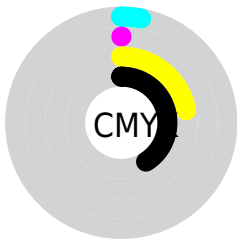
Blue (46%)



Red (46%)

Yellow (59%)

Blue (48%)

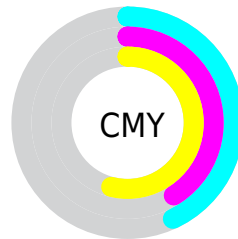


Cyan (3%)

Magenta (0%)

Yellow (22%)

Black (41%)



Cyan (43%)


Magenta (41%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 18.510, 114.521 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, 18.510, 114.521 by changing the saturation by 10% instead.


 61, 18.510,
114.521


 61, 18.510,
114.521


 100, 18.510,
114.521


 51, 18.510,
114.521


 81, 18.510,
114.521

 41, 18.510,
114.521

 91, 18.510,
114.521

 31, 18.510,
114.521

 21, 18.510,
114.521

 11, 18.510,
114.521

 1, 18.510, 114.521

 0, 18.510, 114.521

61, 18.510,
114.521

61, 18.510,
114.521

61, 26.788,
113.796

62, 10.113,
115.257

60, 34.847,
113.094

62, 1.656, 115.976

60, 42.546,
112.450

63, 6.816, 296.679

59, 49.675,
111.908

63, 15.274,
297.350

59, 55.934,
111.529

64, 23.694,
297.988

59, 60.954,
111.386

65, 32.062,
298.590

59, 64.392,
111.553

66, 40.363,
299.157

58, 66.321,

66, 48.588,
299.687

111.843

■ 67, 56.729,
300.182

Harmonies

Complementary

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



61, 18.510, 114.521



51, 19.417, 297.953

Rectangle

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



61, 18.510, 114.521



61, 18.510, 164.521



61, 18.510, 294.521



61, 18.510, 344.521

Sweetspot

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



61, 18.511, 114.525



79, 7.360, 115.607



54, 12.143, 34.061



42, 4.820, 115.569



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, 18.511, 114.525



78, 27.185, 114.190



60, 20.475, 133.176



31, 4.714, 115.459



54, 62.205, 111.777



3, 4.141, 116.117

Inverse Universe

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



51, 19.417, 297.953



63, 28.832, 298.413



52, 20.874, 315.038



29, 4.811, 296.816



15, 83.635, 307.035



0, 4.141, 296.117

Previews

White Background



This preview shows how the CIELCh color 61, 18.510, 114.521 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, 18.510, 114.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

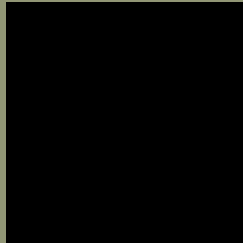
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

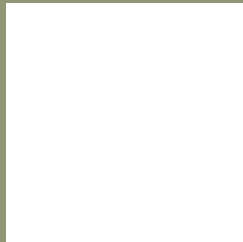
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 61, 18.510, 114.521

Background



This preview shows how black text looks on a background with the CIELCh color 61, 18.510, 114.521.



This preview shows how white text looks on a background with the CIELCh color 61, 18.510, 114.521.

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, 18.510, 114.521

Protanopia

61, 17.834, 94.554

Deuteranopia

61, 17.875, 63.432



Tritanopia
61, 6.636, 310.918

Trichromacy



Original Color
61, 18.510, 114.521

Protanomaly
61, 17.980, 101.456

Deuteranomaly
61, 16.488, 81.107

Tritanomaly
61, 2.902, 94.142

Monochromacy



Original Color
61, 18.510, 114.521

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 6.788, 116.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 18.510, 114.521 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(145, 150, 117)` looks like.

```
.text, #text, p{  
    color:rgb(145, 150, 117)  
}
```

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(145, 150, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 150, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 18.510, 114.521 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(145, 150, 117) }
```

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

```
.border{ border-color:rgb(145, 150, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 150, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 150, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 150, 117);  
box-shadow:4px 4px 4px 4px rgb(145, 150,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 18.510, 114.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 150, 117) }
```

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

```
.background{ background-color: rgb(145,  
150, 117) }
```

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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