

Converting Colors

CIELCh(61, 18.663, 107.931)

Have a look what the booklet for
CIELCh(61, 18.663, 107.931)
contains.

CIELCh(61, 18.396, 108.092)	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, 18.396, 108.092)

Conversions

Conversions Part 1

Format	Color
Hex	959574
RGB	149, 149, 116
RGB Percent	58%, 58%, 45%
CMY	0.4147, 0.4147, 0.5442
CMYK	0.00, 0.00, 0.22, 0.41
HSL	60°, 14%, 52%
HSV	60°, 22%, 59%
XYZ	26.3885, 29.2481, 20.8470
YIQ	145.2380, 10.5930, -10.2630

Conversions

Conversions Part 2

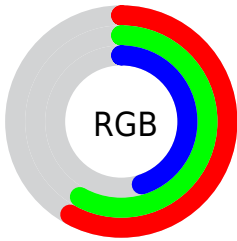
Format	Color
R_{YB}	116, 149, 116
Decimal	9803124
CIE _{Lab}	61.00, -5.71, 17.49
CIE _{LCh}	61, 18.396, 108.092
Yxy	29.2481, 0.3450, 0.3824
Android (android.graphics.Color)	4287993204 (0xFF959574)
YUV	145.2380, -14.4143, 3.2993
Hunter-Lab	54.0815, -7.5454, 15.0024

Details

The CIELCh color $61, 18.396, 108.092$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $50, 19.343, 292.645$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 18.458, 108.517$, and $41, 17.957, 107.419$ is the 20% darker color. If you saturate the color by 10%, you get $61, 26.558, 107.158$, and if you desaturate by 10%, it is $61, 10.113, 109.040$.

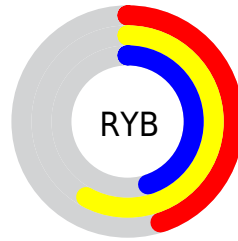
Distribution



Red (58%)

Green (58%)

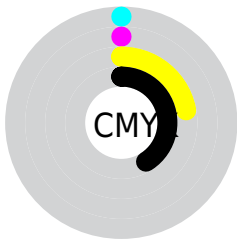
Blue (45%)



Red (45%)

Yellow (58%)

Blue (45%)

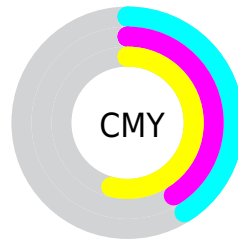


Cyan (0%)

Magenta (0%)

Yellow (22%)

Black (41%)



Cyan (41%)


Magenta (41%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 18.396, 108.092 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, 18.396, 108.092 by changing the saturation by 10% instead.


 61, 18.396,
108.092


 61, 18.396,
108.092


 100, 18.396,
108.092


 51, 18.396,
108.092


 81, 18.396,
108.092

 41, 18.396,
108.092

 91, 18.396,
108.092

 31, 18.396,
108.092

 21, 18.396,
108.092

 11, 18.396,
108.092

 1, 18.396, 108.092

 0, 18.396, 108.092

61, 18.396,
108.092

61, 18.396,
108.092

61, 26.558,
107.158

61, 10.113,
109.040

60, 34.499,
106.244

62, 1.766, 109.954

62, 6.603, 290.911

60, 42.074,
105.378

63, 14.965,
291.799

60, 49.065,
104.589

63, 23.302,
292.658

60, 55.166,
103.913

64, 31.600,
293.480

60, 60.005,
103.386

64, 39.848,
294.263

60, 63.242,
103.040

65, 48.036,
295.004

60, 64.991,

102.855

■ 66, 56.158,
295.703

Harmonies

Complementary

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



61, 18.396, 108.092



50, 19.343, 292.645

Rectangle

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



61, 18.396, 108.092



61, 18.396, 158.092



61, 18.396, 288.092



61, 18.396, 338.092

Sweetspot

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



61, 18.397, 108.096



78, 7.231, 109.505



52, 13.855, 20.982



41, 4.685, 109.459



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



61, 18.397, 108.096



77, 27.709, 107.586



60, 19.697, 128.086



31, 4.681, 109.314



56, 61.289, 102.855



3, 4.113, 110.178

Inverse Universe

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



50, 19.343, 292.645



61, 29.542, 293.394



51, 20.287, 310.082



28, 4.780, 291.105



15, 84.629, 306.287



0, 4.113, 290.180

Previews

White Background



This preview shows how the CIELCh color 61, 18.396, 108.092 looks on a white background.

Color Contrast Check

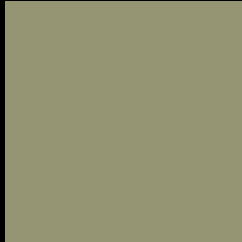
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.396, 108.092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

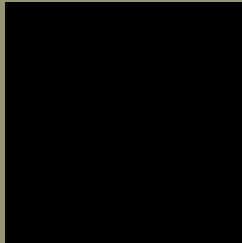
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 18.396, 108.092

Background



This preview shows how black text looks on a background with the CIELCh color 61, 18.396, 108.092.



This preview shows how white text looks on a background with the CIELCh color 61, 18.396, 108.092.

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

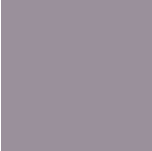
61, 18.396, 108.092

Protanopia

61, 18.376, 94.872

Deuteranopia

61, 18.295, 64.565



Tritanopia
61, 7.320, 322.282

Trichromacy



Original Color
61, 18.396, 108.092

Protanomaly
61, 18.583, 100.285

Deuteranomaly
61, 17.197, 80.597

Tritanomaly
61, 3.658, 69.443

Monochromacy



Original Color
61, 18.396, 108.092

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 6.731, 109.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 18.396, 108.092 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(149, 149, 116)` looks like.

```
.text, #text, p{  
    color:rgb(149, 149, 116)  
}
```

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(149, 149, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 149, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 18.396, 108.092 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(149, 149, 116) }
```

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

```
.border{ border-color:rgb(149, 149, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 149, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 149, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 149, 116);  
box-shadow:4px 4px 4px 4px rgb(149, 149,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 18.396, 108.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 149, 116) }
```

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

```
.background{ background-color: rgb(149,  
149, 116) }
```

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