

Converting Colors

CIELCh(74, 9.507, 118.408)

Have a look what the booklet for
CIELCh(74, 9.507, 118.408) contains.

CIELCh(74, 9.826, 118.221)	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(74, 9.826, 118.221)

Conversions

Conversions Part 1

Format	Color
Hex	B4B8A6
RGB	180, 184, 166
RGB Percent	71%, 72%, 65%
CMY	0.2943, 0.2786, 0.3492
CMYK	0.02, 0.00, 0.10, 0.28
HSL	73°, 11%, 69%
HSV	73°, 10%, 72%
XYZ	42.8147, 46.7039, 42.8067
YIQ	180.7520, 3.3940, -6.4460

Conversions

Conversions Part 2

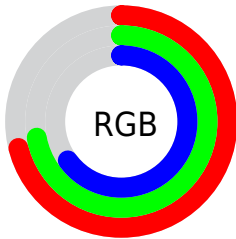
Format	Color
RYB	166, 184, 170
Decimal	11843750
CIELab	74.00, -4.65, 8.66
CIELCh	74, 9.826, 118.221
Yxy	46.7039, 0.3236, 0.3529
Android (android.graphics.Color)	4290033830 (0xFFB4B8A6)
YUV	180.7520, -7.2727, -0.6595
Hunter-Lab	68.3403, -7.7666, 10.7004

Details

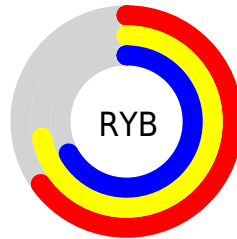
The CIELCh color **74, 9.826, 118.221** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69, 10.034, 299.516**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 9.855, 117.873**, and **54, 9.890, 118.554** is the 20% darker color. If you saturate the color by 10%, you get **73, 19.830, 117.569**, and if you desaturate by 10%, it is **75, 0.223, 298.784**.

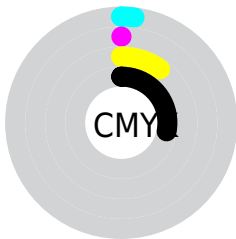
Distribution



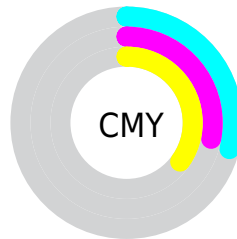
- Red (71%)
- Green (72%)
- Blue (65%)



- Red (65%)
- Yellow (72%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (28%)



- Cyan (29%)
- Magenta (28%)
- Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 9.826, 118.221 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 74, 9.826, 118.221 by changing the saturation by 10% instead.

 74, 9.826, 118.221

 74, 9.826, 118.221

 100, 9.826,
118.221

 64, 9.826, 118.221

 94, 9.826, 118.221

 54, 9.826, 118.221

 44, 9.826, 118.221

 34, 9.826, 118.221

 24, 9.826, 118.221

 14, 9.826, 118.221

 4, 9.826, 118.221

 0, 9.826, 118.221

 74, 9.826, 118.221

 74, 9.826, 118.221

73, 19.830,
117.569

75, 0.223, 298.784

73, 29.709,
116.910

76, 10.274,
299.483

72, 39.359,
116.274

77, 20.289,
300.070

71, 48.618,
115.695

77, 30.241,
300.623

71, 57.245,
115.222

78, 38.580,
301.370

71, 64.896,
114.926

79, 38.774,
303.325

70, 71.135,
114.895

79, 39.011,
305.277

70, 75.534,
115.225

79, 39.289,
307.223

70, 78.192,

80, 39.609,
309.156

Harmonies

Complementary

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



74, 9.826, 118.221



69, 10.034, 299.516

Rectangle

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



74, 9.826, 118.221



74, 9.826, 168.221



74, 9.826, 298.221



74, 9.826, 348.221

Sweetspot

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



74, 9.828, 118.227



94, 3.730, 118.667



71, 5.829, 41.084



50, 2.828, 118.614



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



74, 9.828, 118.227



94, 14.939, 118.069



73, 10.931, 135.854



39, 5.680, 118.257



60, 69.079, 115.764



9, 15.724, 122.119

Inverse Universe

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



69, 10.034, 299.516



86, 15.322, 299.695



70, 11.016, 316.650



36, 5.795, 299.484



19, 90.720, 307.556



1, 15.505, 296.707

Previews

White Background



This preview shows how the CIELCh color 74, 9.826, 118.221 looks on a white background.

Color Contrast Check

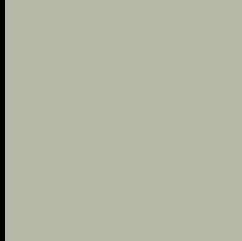
Large Text (above 18pt) WCAG AA × Fail

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 74, 9.826, 118.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

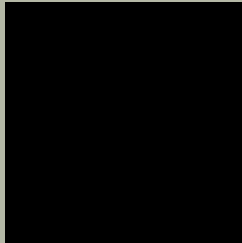
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

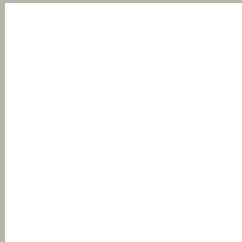
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 9.826, 118.221

Background



This preview shows how black text looks on a background with the CIELCh color 74, 9.826, 118.221.




This preview shows how white text looks on a background with the CIELCh color 74, 9.826, 118.221.

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
74, 7.749, 301.688

Trichromacy



Original Color
74, 9.826, 118.221

Protanomaly
74, 9.283, 99.694

Deuteranomaly
74, 9.182, 59.935

Tritanomaly
74, 1.802, 314.647

Monochromacy



Original Color
74, 9.826, 118.221

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 3.259, 116.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 9.826, 118.221 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(180, 184, 166)` looks like.

```
.text, #text, p{  
    color:rgb(180, 184, 166)  
}
```

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(180, 184, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 184, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 9.826, 118.221 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(180, 184, 166) }
```

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

```
.border{ border-color:rgb(180, 184, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 184, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 184, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 184, 166);  
box-shadow:4px 4px 4px 4px rgb(180, 184,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 9.826, 118.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 184, 166) }
```

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

```
.background{ background-color: rgb(180,  
184, 166) }
```

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