

Converting Colors

CIELCh(74, 48.911, 138.235)

Have a look what the booklet for
CIELCh(74, 48.911, 138.235)
contains.

CIELCh(74, 48.762, 138.171)	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, 48.762, 138.171)

Conversions

Conversions Part 1

Format	Color
Hex	83C678
RGB	131, 198, 120
RGB Percent	51%, 78%, 47%
CMY	0.4854, 0.2226, 0.5285
CMYK	0.34, 0.00, 0.39, 0.22
HSL	112°, 41%, 62%
HSV	112°, 39%, 78%
XYZ	33.0493, 46.7039, 25.1131
YIQ	169.0750, -14.8940, -38.4620

Conversions

Conversions Part 2

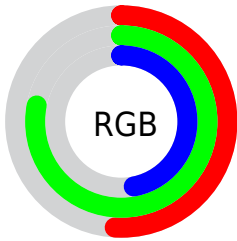
Format	Color
RYB	120, 198, 187
Decimal	8636024
CIELab	74.00, -36.33, 32.52
CIELCh	74, 48.762, 138.171
Yxy	46.7039, 0.3152, 0.4454
Android (android.graphics.Color)	4286826104 (0xFF83C678)
YUV	169.0750, -24.1940, -33.3918
Hunter-Lab	68.3403, -33.2730, 26.0508

Details

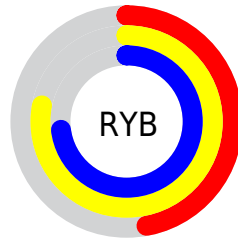
The CIELCh color **74, 48.762, 138.171** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **60, 49.277, 322.329**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 48.787, 138.199**, and **54, 48.958, 138.101** is the 20% darker color. If you saturate the color by 10%, you get **73, 60.507, 137.403**, and if you desaturate by 10%, it is **75, 36.537, 138.888**.

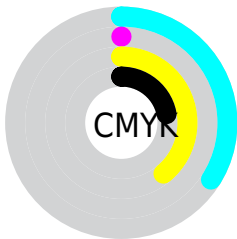
Distribution



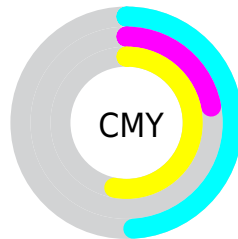
- Red (51%)
- Green (78%)
- Blue (47%)



- Red (47%)
- Yellow (78%)
- Blue (73%)



- Cyan (34%)
- Magenta (0%)
- Yellow (39%)
- Black (22%)




- Cyan (49%)
- Magenta (22%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 48.762, 138.171 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, 48.762, 138.171 by changing the saturation by 10% instead.


 74, 48.762,
138.171


 74, 48.762,
138.171


 100, 48.762,
138.171


 64, 48.762,
138.171


 94, 48.762,
138.171

 54, 48.762,
138.171

 44, 48.762,
138.171

 34, 48.762,
138.171

 24, 48.762,
138.171

 14, 48.762,
138.171

 4, 48.762, 138.171

0, 48.762, 138.171

74, 48.762,
138.171

74, 48.762,
138.171

73, 60.507,
137.403

75, 36.537,
138.888

72, 71.430,
136.624

77, 24.082,
139.532

71, 81.099,
135.916

78, 11.590,
140.104

71, 88.996,
135.395

80, 0.802, 320.294

70, 94.622,
135.190

82, 12.997,
320.971

70, 97.934,
135.286

84, 24.928,
321.335

■ 70, 98.112,
135.285

■ 86, 34.799,
323.363

■ 86, 35.597,
325.662

Harmonies

Complementary

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



74, 48.762, 138.171



60, 49.277, 322.329

Rectangle

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



74, 48.762, 138.171



74, 48.762, 188.171



74, 48.762, 318.171



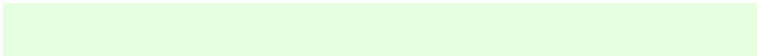
74, 48.762, 8.171

Sweetspot

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



74, 48.763, 138.172



97, 18.266, 139.948



75, 35.507, 98.847



52, 12.124, 139.874



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 48.763, 138.172



92, 70.844, 137.532



74, 39.470, 152.865



41, 7.044, 140.102



58, 84.806, 135.181



11, 25.565, 140.839

Inverse Universe

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



60, 49.277, 322.329



71, 71.616, 322.655



60, 40.162, 339.527



39, 7.074, 320.957



34, 83.671, 322.870



4, 25.126, 321.091

Previews

White Background



This preview shows how the CIELCh color 74, 48.762, 138.171 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, 48.762, 138.171 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, 48.762, 138.171

Background



This preview shows how black text looks on a background with the CIELCh color 74, 48.762, 138.171.

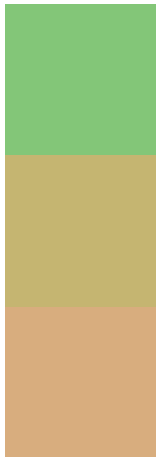


This preview shows how white text looks on a background with the CIELCh color 74, 48.762, 138.171.

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

74, 48.762, 138.171

Protanopia

74, 36.856, 95.989

Deuteranopia

74, 31.552, 72.446



Tritanopia
74, 15.993, 229.215

Trichromacy



Original Color
74, 48.762, 138.171



Protanomaly
73, 38.005, 115.305



Deuteranomaly
73, 30.997, 104.834

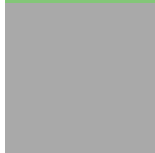


Tritanomaly
74, 21.129, 168.588

Monochromacy



Original Color
74, 48.762, 138.171



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 18.530, 139.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 48.762, 138.171 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(131, 198, 120)` looks like.

```
.text, #text, p{  
    color:rgb(131, 198, 120)  
}
```

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(131, 198, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 198, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 48.762, 138.171 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(131, 198, 120) }
```

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

```
.border{ border-color:rgb(131, 198, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 198, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 198, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 198, 120);  
box-shadow:4px 4px 4px 4px rgb(131, 198,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 48.762, 138.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 198, 120) }
```

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

```
.background{ background-color: rgb(131,  
198, 120) }
```

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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