

Converting Colors

CIELCh(74, 43.702, 142.737)

Have a look what the booklet for
CIELCh(74, 43.702, 142.737)
contains.

CIELCh(74, 43.702, 142.737)	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, 43.702, 142.737)

Conversions

Conversions Part 1

Format	Color
Hex	82C684
RGB	130, 198, 132
RGB Percent	51%, 78%, 52%
CMY	0.4908, 0.2242, 0.4830
CMYK	0.34, 0.00, 0.33, 0.22
HSL	122°, 37%, 64%
HSV	122°, 34%, 78%
XYZ	33.4893, 46.7039, 29.0220
YIQ	170.1440, -19.3420, -34.9420

Conversions

Conversions Part 2

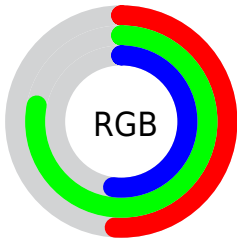
Format	Color
RYB	130, 196, 198
Decimal	8570500
CIELab	74.00, -34.78, 26.46
CIELCh	74, 43.702, 142.737
Yxy	46.7039, 0.3066, 0.4276
Android (android.graphics.Color)	4286760580 (0xFF82C684)
YUV	170.1440, -18.8050, -35.2063
Hunter-Lab	68.3403, -32.1237, 22.6596

Details

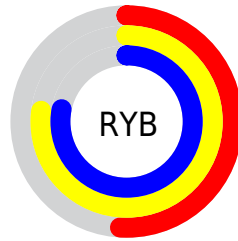
The CIELCh color **74, 43.702, 142.737** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **63, 43.672, 327.115**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 43.446, 142.915**, and **54, 43.835, 142.844** is the 20% darker color. If you saturate the color by 10%, you get **73, 55.900, 141.738**, and if you desaturate by 10%, it is **75, 31.076, 143.611**.

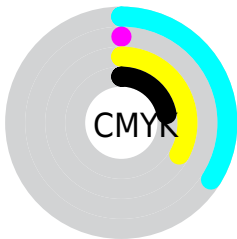
Distribution



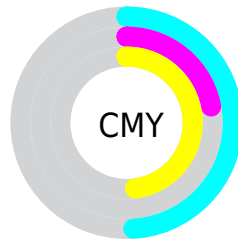
- Red (51%)
- Green (78%)
- Blue (52%)



- Red (51%)
- Yellow (77%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (33%)
- Black (22%)





- Cyan (49%)
- Magenta (22%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 43.702, 142.737 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, 43.702, 142.737 by changing the saturation by 10% instead.


 74, 43.702,
142.737


 74, 43.702,
142.737


 100, 43.702,
142.737


 64, 43.702,
142.737


 94, 43.702,
142.737

 54, 43.702,
142.737

 44, 43.702,
142.737

 34, 43.702,
142.737

 24, 43.702,
142.737

 14, 43.702,
142.737

 4, 43.702, 142.737

■ 74, 43.702,
142.737

■ 74, 43.702,
142.737

■ 73, 55.900,
141.738

■ 75, 31.076,
143.611

■ 72, 67.338,
140.625

■ 77, 18.281,
144.366

■ 71, 77.620,
139.439

■ 79, 5.519, 145.036

■ 70, 86.294,
138.265

■ 81, 7.063, 325.492

■ 70, 92.890,
137.229

■ 83, 19.365,
325.975

■ 70, 97.049,
136.470

■ 86, 31.324,
326.369

■ 86, 35.856,

■ 70, 98.413,
136.236

325.671

Harmonies

Complementary

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



74, 43.702, 142.737



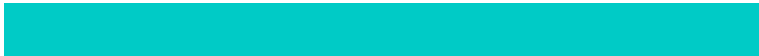
63, 43.672, 327.115

Rectangle

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



74, 43.702, 142.737



74, 43.702, 192.737



74, 43.702, 322.737



74, 43.702, 12.737

Sweetspot

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



74, 43.703, 142.737



98, 15.595, 144.653



78, 35.677, 107.624



52, 10.649, 144.558



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, 43.703, 142.737



92, 63.681, 142.025



75, 30.253, 161.266



41, 7.224, 144.704



58, 85.197, 136.294



11, 26.224, 144.091

Inverse Universe

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



63, 43.672, 327.115



76, 63.521, 327.491



62, 31.658, 347.899



39, 7.236, 325.732



38, 80.888, 329.428



4, 26.079, 327.991

Previews

White Background



This preview shows how the CIELCh color 74, 43.702, 142.737 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, 43.702, 142.737 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, 43.702, 142.737

Background



This preview shows how black text looks on a background with the CIELCh color 74, 43.702, 142.737.



This preview shows how white text looks on a background with the CIELCh color 74, 43.702, 142.737.

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

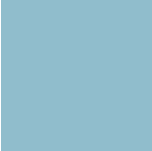
74, 43.702, 142.737

Protanopia

74, 30.637, 95.434

Deuteranopia

74, 25.970, 69.613



Tritanopia
74, 16.778, 227.558

Trichromacy



Original Color
74, 43.702, 142.737



Protanomaly
73, 32.512, 117.908



Deuteranomaly
73, 25.704, 107.667

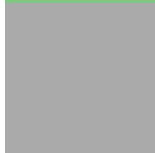


Tritanomaly
74, 20.321, 175.848

Monochromacy



Original Color
74, 43.702, 142.737



Achromatopsia
70, 0.009, 296.813



Achromatomaly
71, 16.239, 144.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 43.702, 142.737 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(130, 198, 132)` looks like.

```
.text, #text, p{  
    color:rgb(130, 198, 132)  
}
```

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(130, 198, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 198, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 43.702, 142.737 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(130, 198, 132) }
```

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

```
.border{ border-color:rgb(130, 198, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 198, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 198, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 198, 132);  
box-shadow:4px 4px 4px 4px rgb(130, 198,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 43.702, 142.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 198, 132) }
```

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

```
.background{ background-color: rgb(130,  
198, 132) }
```

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