

Converting Colors

CIELCh(84, 70.837, 124.035)

Have a look what the booklet for
CIELCh(84, 70.837, 124.035)
contains.

CIELCh(84, 70.724, 124.138)	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(84, 70.724, 124.138)

Conversions

Conversions Part 1

Format	Color
Hex	A8E35C
RGB	168, 227, 92
RGB Percent	66%, 89%, 36%
CMY	0.3410, 0.1096, 0.6390
CMYK	0.26, 0.00, 0.59, 0.11
HSL	86°, 71%, 63%
HSV	86°, 59%, 89%
XYZ	45.5730, 64.0658, 20.0988
YIQ	193.9690, 8.1710, -54.4930

Conversions

Conversions Part 2

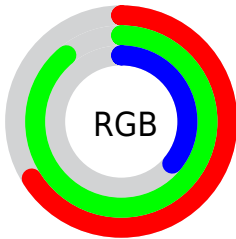
Format	Color
RYB	92, 227, 151
Decimal	11068252
CIELab	84.00, -39.69, 58.54
CIElCh	84, 70.724, 124.138
Yxy	64.0658, 0.3513, 0.4938
Android (android.graphics.Color)	4289258332 (0xFFA8E35C)
YUV	193.9690, -50.2707, -22.7748
Hunter-Lab	80.0411, -38.4393, 41.1407

Details

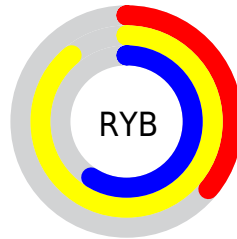
The CIELCh color **84, 70.724, 124.138** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **52, 78.637, 310.260**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 54.817, 118.032**, and **64, 70.676, 124.040** is the 20% darker color. If you saturate the color by 10%, you get **83, 80.417, 124.016**, and if you desaturate by 10%, it is **85, 59.883, 124.466**.

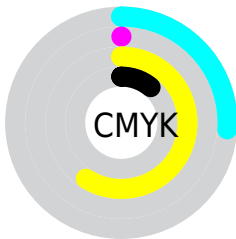
Distribution



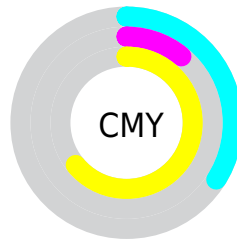
- Red (66%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (59%)



- Cyan (26%)
- Magenta (0%)
- Yellow (59%)
- Black (11%)





- Cyan (34%)
- Magenta (11%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 70.724, 124.138 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 84, 70.724, 124.138 by changing the saturation by 10% instead.

 84, 70.724,
124.138

 84, 70.724,
124.138


 100, 70.724,
124.138


 74, 70.724,
124.138

 64, 70.724,
124.138

 54, 70.724,
124.138

 44, 70.724,
124.138

 34, 70.724,
124.138

 24, 70.724,
124.138

 14, 70.724,

124.138

■ 4, 70.724, 124.138

■ 0, 70.724, 124.138

■ 84, 70.724,
124.138

■ 84, 70.724,
124.138

■ 83, 80.417,
124.016

■ 85, 59.883,
124.466

■ 83, 88.433,
124.216

■ 86, 48.306,
124.907

■ 82, 94.266,
124.863

■ 87, 36.290,
125.399

■ 82, 97.895,
125.966

■ 88, 24.036,
125.905


■ 82, 98.069,


■ 89, 11.682,


126.027

126.404

 90, 0.677, 306.707

 92, 12.973,
307.294

 93, 16.161,
317.106

 93, 17.474,
325.030

Harmonies

Complementary

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



84, 70.724, 124.138



52, 78.637, 310.260

Rectangle

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



84, 70.724, 124.138



84, 70.724, 174.138



84, 70.724, 304.138



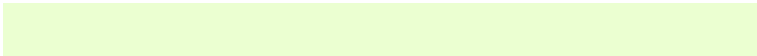
84, 70.724, 354.138

Sweetspot

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



84, 70.725, 124.139



98, 24.431, 125.973



69, 48.053, 61.426



52, 16.971, 125.825



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 70.725, 124.139



92, 89.705, 124.026



81, 81.358, 138.076



48, 7.075, 126.404



66, 81.734, 125.766



18, 31.682, 125.251

Inverse Universe

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



52, 78.637, 310.260



51, 102.202, 310.822



60, 81.147, 325.359



45, 7.185, 307.287



26, 96.741, 310.589



4, 35.240, 308.809

Previews

White Background



This preview shows how the CIELCh color 84, 70.724, 124.138 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 84, 70.724, 124.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

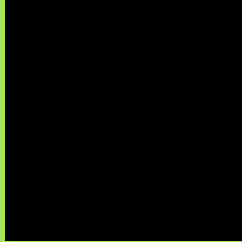
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 70.724, 124.138

Background



This preview shows how black text looks on a background with the CIELCh color 84, 70.724, 124.138.



This preview shows how white text looks on a background with the CIELCh color 84, 70.724, 124.138.

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](#).

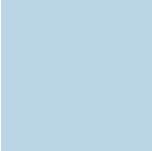
Dichromacy



Original Color
84, 70.724, 124.138

Protanopia
84, 61.945, 95.585

Deuteranopia
84, 52.589, 78.844

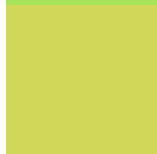


Tritanopia
84, 12.596, 244.560

Trichromacy



Original Color
84, 70.724, 124.138



Protanomaly
84, 63.102, 107.395



Deuteranomaly
83, 54.261, 99.117

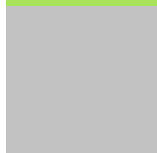


Tritanomaly
83, 24.726, 144.000

Monochromacy



Original Color
84, 70.724, 124.138



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 27.076, 125.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 70.724, 124.138 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(168, 227, 92)` looks like.

```
.text, #text, p{  
    color:rgb(168, 227, 92)  
}
```

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(168, 227, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 227, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 70.724, 124.138 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(168, 227, 92) }
```

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

```
.border{ border-color:rgb(168, 227, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 227, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 227, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 227, 92);  
box-shadow:4px 4px 4px 4px rgb(168, 227,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 70.724, 124.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 227, 92) }
```

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

```
.background{ background-color: rgb(168,  
227, 92) }
```

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