

Converting Colors

CIELCh(84, 69.553, 136.030)

Have a look what the booklet for
CIELCh(84, 69.553, 136.030)
contains.

CIELCh(84, 69.700, 136.157)	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, 69.700, 136.157)

Conversions

Conversions Part 1

Format	Color
Hex	88E872
RGB	136, 232, 114
RGB Percent	53%, 91%, 45%
CMY	0.4672, 0.0907, 0.5534
CMYK	0.41, 0.00, 0.51, 0.09
HSL	109°, 72%, 68%
HSV	109°, 51%, 91%
XYZ	41.9755, 64.0658, 26.0339
YIQ	189.8440, -19.3380, -57.0500

Conversions

Conversions Part 2

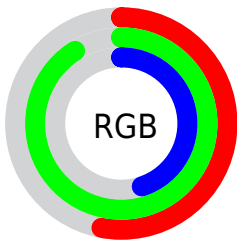
Format	Color
RYB	114, 232, 210
Decimal	8972402
CIELab	84.00, -50.27, 48.28
CIELCh	84, 69.700, 136.157
Yxy	64.0658, 0.3178, 0.4851
Android (android.graphics.Color)	4287162482 (0xFF88E872)
YUV	189.8440, -37.3911, -47.2212
Hunter-Lab	80.0411, -46.4621, 36.7443

Details

The CIELCh color **84, 69.700, 136.157** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63, 70.917, 321.386**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 49.526, 134.088**, and **64, 69.880, 136.279** is the 20% darker color. If you saturate the color by 10%, you get **83, 81.775, 135.475**, and if you desaturate by 10%, it is **85, 56.653, 136.864**.

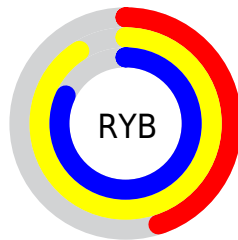
Distribution



Red (53%)

Green (91%)

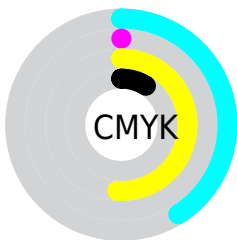
Blue (45%)



Red (45%)

Yellow (91%)

Blue (82%)

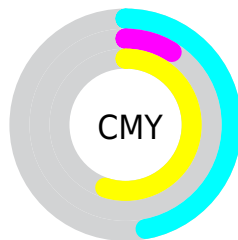


Cyan (41%)

Magenta (0%)

Yellow (51%)

Black (9%)



Cyan (47%)


Magenta (9%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 69.700, 136.157 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, 69.700, 136.157 by changing the saturation by 10% instead.


 84, 69.700,
136.157

 84, 69.700,
136.157


 100, 69.700,
136.157


 74, 69.700,
136.157

 64, 69.700,
136.157

 54, 69.700,
136.157

 44, 69.700,
136.157

 34, 69.700,
136.157

 24, 69.700,
136.157

 14, 69.700,

136.157

■ 4, 69.700, 136.157

■ 0, 69.700, 136.157

■ 84, 69.700,
136.157

■ 84, 69.700,
136.157

■ 83, 81.775,
135.475

■ 85, 56.653,
136.864

■ 82, 92.362,
134.909

■ 87, 43.023,
137.541

■ 82, 100.861,
134.584

■ 88, 29.107,
138.161

■ 81, 106.730,
134.625

■ 90, 15.119,
138.717

■ 81, 109.844,

■ 92, 1.216, 139.374

134.936

94, 12.491,
319.574

94, 14.452,
324.922

Harmonies

Complementary

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



84, 69.700, 136.157



63, 70.917, 321.386

Rectangle

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



84, 69.700, 136.157



84, 69.700, 186.157



84, 69.700, 316.157



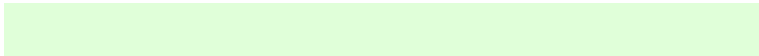
84, 69.700, 6.157

Sweetspot

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



84, 69.701, 136.158



97, 22.543, 138.491



84, 49.569, 94.294



51, 15.391, 138.373



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, 69.701, 136.158



90, 88.401, 135.448



84, 59.404, 149.402



47, 7.815, 138.792



64, 90.142, 134.787



18, 35.184, 135.613

Inverse Universe

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



63, 70.917, 321.386



64, 89.882, 321.667



64, 59.821, 338.299



45, 7.856, 319.624



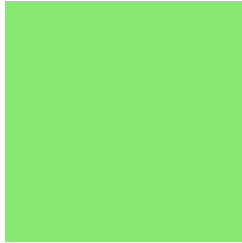
37, 89.931, 321.204



7, 37.134, 322.029

Previews

White Background



This preview shows how the CIELCh color 84, 69.700, 136.157 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, 69.700, 136.157 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, 69.700, 136.157

Background



This preview shows how black text looks on a background with the CIELCh color 84, 69.700, 136.157.

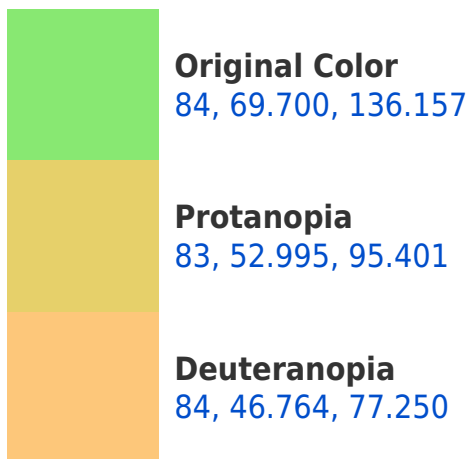


This preview shows how white text looks on a background with the CIELCh color 84, 69.700, 136.157.

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



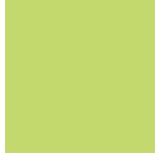


Tritanopia
84, 21.017, 225.322

Trichromacy



Original Color
84, 69.700, 136.157



Protanomaly
83, 55.322, 114.430



Deuteranomaly
83, 47.202, 106.513

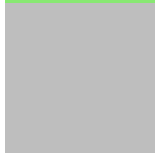


Tritanomaly
83, 30.360, 164.699

Monochromacy



Original Color
84, 69.700, 136.157



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 26.450, 138.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 69.700, 136.157 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(136, 232, 114)` looks like.

```
.text, #text, p{  
    color:rgb(136, 232, 114)  
}
```

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(136, 232, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 232, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 69.700, 136.157 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(136, 232, 114) }
```

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

```
.border{ border-color:rgb(136, 232, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 232, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 232, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 232, 114); box-shadow:4px 4px 4px 4px rgb(136, 232, 114) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 69.700, 136.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 232, 114) }
```

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

```
.background{ background-color: rgb(136,  
232, 114) }
```

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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