

Converting Colors

CIELCh(85, 40.320, 140.341)

Have a look what the booklet for
CIELCh(85, 40.320, 140.341)
contains.

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Color

CIELCh(85, 40.412, 140.195)

Conversions

Conversions Part 1

Format	Color
Hex	A8E3A2
RGB	168, 227, 162
RGB Percent	66%, 89%, 64%
CMY	0.3404, 0.1090, 0.3640
CMYK	0.26, 0.00, 0.29, 0.11
HSL	114°, 54%, 76%
HSV	114°, 29%, 89%
XYZ	50.2501, 66.0070, 44.3613
YIQ	201.9490, -14.2990, -32.7230

Conversions

Conversions Part 2

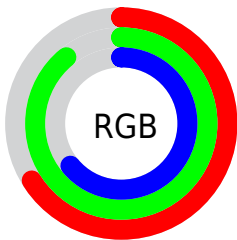
Format	Color
RYB	162, 227, 221
Decimal	11068322
CIELab	85.00, -31.05, 25.87
CIELCh	85, 40.412, 140.195
Yxy	66.0070, 0.3129, 0.4110
Android (android.graphics.Color)	4289258402 (0xFFA8E3A2)
YUV	201.9490, -19.6949, -29.7733
Hunter-Lab	81.2447, -31.7754, 24.4977

Details

The CIELCh color $85, 40.412, 140.195$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $74, 40.630, 323.324$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 22.409, 138.558$, and $65, 40.229, 140.355$ is the 20% darker color. If you saturate the color by 10%, you get $84, 54.281, 139.410$, and if you desaturate by 10%, it is $87, 26.277, 140.891$.

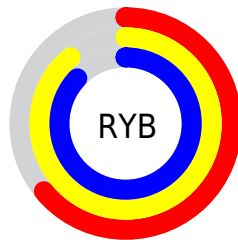
Distribution



Red (66%)

Green (89%)

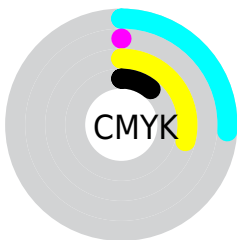
Blue (64%)



Red (64%)

Yellow (89%)

Blue (87%)

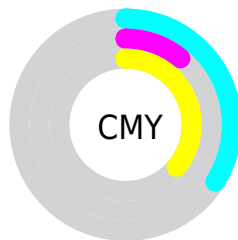


Cyan (26%)

Magenta (0%)

Yellow (29%)

Black (11%)



Cyan (34%)


Magenta (11%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 40.412, 140.195 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 85, 40.412, 140.195 by changing the saturation by 10% instead.


 85, 40.412,
140.195


 85, 40.412,
140.195


 100, 40.412,
140.195


 75, 40.412,
140.195

 65, 40.412,
140.195

 55, 40.412,
140.195

 45, 40.412,
140.195

 35, 40.412,
140.195


 25, 40.412,
140.195


 15, 40.412,


140.195


 5, 40.412, 140.195


 0, 40.412, 140.195


 85, 40.412,
140.195


 85, 40.412,
140.195

 84, 54.281,
139.410


 87, 26.277,
140.891


 82, 67.572,
138.550

 89, 12.102,
141.503


 81, 79.885,
137.656

 91, 1.942, 321.862

 80, 90.716,
136.806

 93, 15.739,
322.416

 80, 99.469,

 93, 17.379,
325.027

136.120

■ 79, 105.583,
135.733

■ 79, 108.907,
135.683

■ 79, 109.247,
135.669

Harmonies

Complementary

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



85, 40.412, 140.195



74, 40.630, 323.324

Rectangle

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



85, 40.412, 140.195



85, 40.412, 190.195



85, 40.412, 320.195



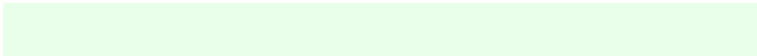
85, 40.412, 10.195

Sweetspot

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



85, 40.414, 140.196



98, 13.888, 141.477



87, 30.349, 102.754



52, 9.660, 141.391



0, 0.000, 0.000



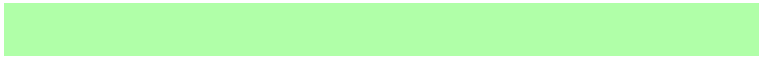
53, 0.007, 296.813

Same Dimension

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



85, 40.414, 140.196



93, 52.631, 139.766



85, 31.048, 156.159



47, 8.049, 141.454



63, 91.112, 135.587



17, 35.946, 137.241

Inverse Universe

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



74, 40.630, 323.324



79, 52.931, 323.587



74, 31.689, 340.978



45, 8.074, 322.374



39, 88.958, 324.655



7, 37.228, 325.176

Previews

White Background



This preview shows how the CIE LCh color 85, 40.412, 140.195 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 CIE LCh color 85, 40.412, 140.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

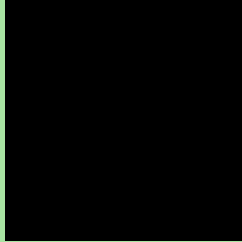
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 40.412, 140.195

Background



This preview shows how black text looks on a background with the CIELCh color 85, 40.412, 140.195.

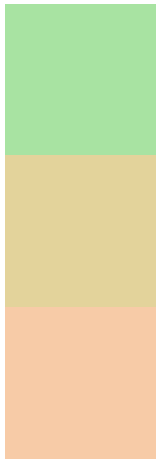


This preview shows how white text looks on a background with the CIELCh color 85, 40.412, 140.195.

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
85, 40.412, 140.195

Protanopia
85, 29.908, 95.232

Deuteranopia
85, 26.050, 66.069

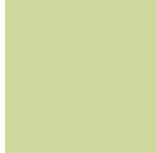


Tritanopia
85, 14.952, 235.661

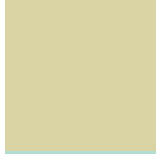
Trichromacy



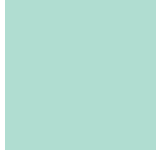
Original Color
85, 40.412, 140.195



Protanomaly
85, 30.923, 115.561



Deuteranomaly
84, 24.641, 102.546

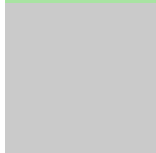


Tritanomaly
85, 17.027, 176.403

Monochromacy



Original Color
85, 40.412, 140.195



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 14.466, 141.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 40.412, 140.195 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(168, 227, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 227, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 40.412, 140.195 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, 162) }
```

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

```
.border{ border-color:rgb(168, 227, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 227, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 227, 162); box-shadow:4px 4px 4px 4px rgb(168, 227, 162) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 40.412, 140.195 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, 162) }
```

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

```
.background{ background-color: rgb(168,  
227, 162) }
```

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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