

Converting Colors

CIELCh(85, 45.243, 142.654)

Have a look what the booklet for
CIELCh(85, 45.243, 142.654)
contains.

CIELCh(85, 44.931, 142.611)	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(85, 44.931, 142.611)

Conversions

Conversions Part 1

Format	Color
Hex	9EE59F
RGB	158, 229, 159
RGB Percent	62%, 90%, 62%
CMY	0.3793, 0.1008, 0.3754
CMYK	0.31, 0.00, 0.31, 0.10
HSL	121°, 58%, 76%
HSV	121°, 31%, 90%
XYZ	48.5349, 66.0070, 43.1057
YIQ	199.7910, -19.8460, -36.8220

Conversions

Conversions Part 2

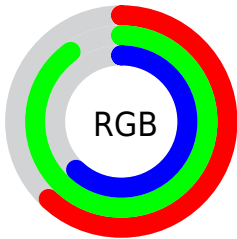
Format	Color
RYB	158, 228, 229
Decimal	10413471
CIELab	85.00, -35.70, 27.28
CIELCh	85, 44.931, 142.611
Yxy	66.0070, 0.3079, 0.4187
Android (android.graphics.Color)	4288603551 (0xFF9EE59F)
YUV	199.7910, -20.1100, -36.6507
Hunter-Lab	81.2447, -35.5439, 25.4140

Details

The CIELCh color $85, 44.931, 142.611$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $74, 44.920, 326.510$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 25.665, 143.441$, and $65, 44.869, 142.613$ is the 20% darker color. If you saturate the color by 10%, you get $84, 59.003, 141.647$, and if you desaturate by 10%, it is $87, 30.460, 143.450$.

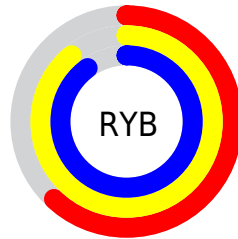
Distribution



Red (62%)

Green (90%)

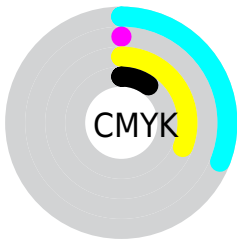
Blue (62%)



Red (62%)

Yellow (89%)

Blue (90%)

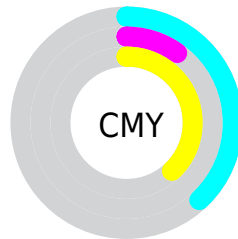


Cyan (31%)

Magenta (0%)

Yellow (31%)

Black (10%)



Cyan (38%)

Magenta (10%)

Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 44.931, 142.611 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, 44.931, 142.611 by changing the saturation by 10% instead.


 85, 44.931,
142.611


 85, 44.931,
142.611


 100, 44.931,
142.611


 75, 44.931,
142.611

 65, 44.931,
142.611

 55, 44.931,
142.611

 45, 44.931,
142.611

 35, 44.931,
142.611

 25, 44.931,
142.611

 15, 44.931,

142.611

■ 5, 44.931, 142.611

■ 0, 44.931, 142.611

■ 85, 44.931,
142.611

■ 85, 44.931,
142.611

■ 84, 59.003,
141.647

■ 87, 30.460,
143.450

■ 82, 72.306,
140.567

■ 89, 15.874,
144.173

■ 81, 84.389,
139.408

■ 91, 1.386, 144.970

■ 81, 94.720,
138.249

■ 93, 12.850,
325.251

■ 80, 102.728,

■ 94, 16.065,
324.980

137.219

■ 80, 107.934,
136.464

■ 80, 110.296,
136.103

Harmonies

Complementary

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



85, 44.931, 142.611



74, 44.920, 326.510

Rectangle

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



85, 44.931, 142.611



85, 44.931, 192.611



85, 44.931, 322.611



85, 44.931, 12.611

Sweetspot

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



85, 44.933, 142.611



98, 14.175, 144.301



90, 36.332, 107.174



52, 9.860, 144.204



0, 0.000, 0.000



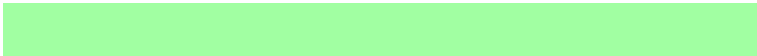
53, 0.007, 296.813

Same Dimension

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



85, 44.933, 142.611



92, 58.289, 142.024



86, 31.240, 160.742



47, 8.215, 144.274



63, 91.386, 136.135



17, 36.504, 139.066

Inverse Universe

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



74, 44.920, 326.510



78, 58.205, 326.837



73, 32.457, 346.567



45, 8.228, 325.317



42, 87.468, 328.794



8, 36.767, 328.706

Previews

White Background



This preview shows how the CIELCh color 85, 44.931, 142.611 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 85, 44.931, 142.611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

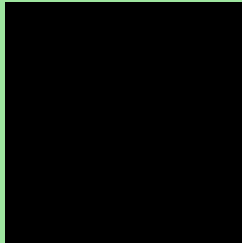
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 44.931, 142.611

Background



This preview shows how black text looks on a background with the CIELCh color 85, 44.931, 142.611.



This preview shows how white text looks on a background with the CIELCh color 85, 44.931, 142.611.

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](#).

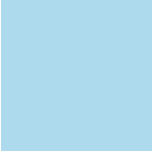
Dichromacy



Original Color
85, 44.931, 142.611

Protanopia
85, 32.011, 95.070

Deuteranopia
85, 26.871, 67.411

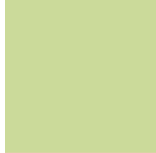


Tritanopia
85, 17.465, 231.596

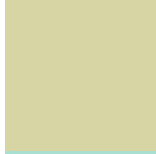
Trichromacy



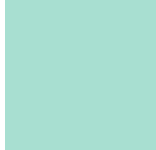
Original Color
85, 44.931, 142.611



Protanomaly
85, 33.675, 117.414



Deuteranomaly
84, 26.070, 106.181

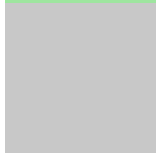


Tritanomaly
85, 20.478, 176.839

Monochromacy



Original Color
85, 44.931, 142.611



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 16.836, 143.715

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 44.931, 142.611 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(158, 229, 159)` looks like.

```
.text, #text, p{  
    color:rgb(158, 229, 159)  
}
```

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(158, 229, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 229, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 44.931, 142.611 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(158, 229, 159) }
```

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

```
.border{ border-color:rgb(158, 229, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 229, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 229, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 229, 159);  
box-shadow:4px 4px 4px 4px rgb(158, 229,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 44.931, 142.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 229, 159) }
```

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

```
.background{ background-color: rgb(158,  
229, 159) }
```

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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