

Converting Colors

CIELCh(85, 38.381, 145.754)

Have a look what the booklet for
CIELCh(85, 38.381, 145.754)
contains.

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Color

CIELCh(85, 38.619, 145.455)

Conversions

Conversions Part 1

Format	Color
Hex	A3E4AA
RGB	163, 228, 170
RGB Percent	64%, 89%, 67%
CMY	0.3617, 0.1068, 0.3342
CMYK	0.29, 0.00, 0.25, 0.11
HSL	126°, 54%, 77%
HSV	126°, 29%, 89%
XYZ	49.9657, 66.0070, 48.0227
YIQ	201.9530, -20.1220, -31.8180

Conversions

Conversions Part 2

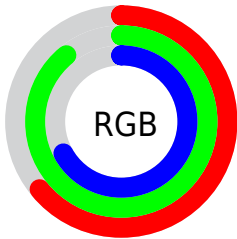
Format	Color
RYB	163, 222, 228
Decimal	10740906
CIELab	85.00, -31.81, 21.90
CIELCh	85, 38.619, 145.455
Yxy	66.0070, 0.3047, 0.4025
Android (android.graphics.Color)	4288930986 (0xFFA3E4AA)
YUV	201.9530, -15.7528, -34.1618
Hunter-Lab	81.2447, -32.4002, 21.8257

Details

The CIELCh color $85, 38.619, 145.455$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $75, 38.670, 329.185$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 20.038, 148.467$, and $65, 38.358, 145.809$ is the 20% darker color. If you saturate the color by 10%, you get $84, 51.893, 144.488$, and if you desaturate by 10%, it is $87, 25.077, 146.290$.

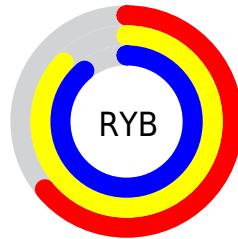
Distribution



Red (64%)

Green (89%)

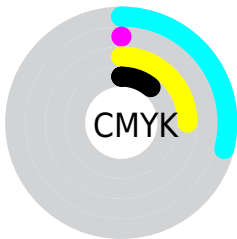
Blue (67%)



Red (64%)

Yellow (87%)

Blue (89%)

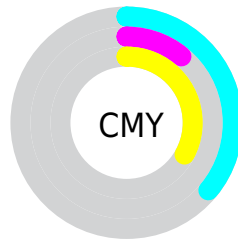


Cyan (29%)

Magenta (0%)

Yellow (25%)

Black (11%)



Cyan (36%)


Magenta (11%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 38.619, 145.455 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, 38.619, 145.455 by changing the saturation by 10% instead.


 85, 38.619,
145.455


 85, 38.619,
145.455


 100, 38.619,
145.455


 75, 38.619,
145.455

 65, 38.619,
145.455

 55, 38.619,
145.455

 45, 38.619,
145.455

 35, 38.619,
145.455

 25, 38.619,
145.455

 15, 38.619,

145.455

■ 5, 38.619, 145.455

■ 0, 38.619, 145.455

■ 85, 38.619,
145.455

■ 85, 38.619,
145.455

■ 84, 51.893,
144.488

■ 87, 25.077,
146.290

■ 82, 64.610,
143.378

■ 89, 11.491,
147.014

■ 81, 76.435,
142.130

■ 91, 1.966, 327.433

■ 80, 86.993,
140.776

■ 93, 15.168,
328.089

■ 80, 95.884,

■ 93, 17.028,
325.014

139.383

■ 79, 102.723,
138.063

■ 79, 107.254,
136.973

■ 79, 107.745,
136.859

Harmonies

Complementary

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



85, 38.619, 145.455



75, 38.670, 329.185

Rectangle

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



85, 38.619, 145.455



85, 38.619, 195.455



85, 38.619, 325.455



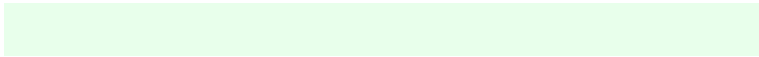
85, 38.619, 15.455

Sweetspot

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



85, 38.621, 145.455



98, 13.283, 146.978



89, 33.465, 111.770



52, 9.239, 146.877



0, 0.000, 0.000



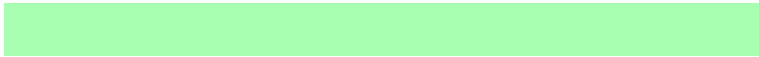
53, 0.007, 296.813

Same Dimension

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



85, 38.621, 145.455



93, 50.324, 144.923



86, 26.549, 166.640



47, 7.698, 146.950



63, 89.416, 137.033



17, 34.801, 140.730

Inverse Universe

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



75, 38.670, 329.185



80, 50.344, 329.525



74, 28.094, 352.346



45, 7.714, 328.035



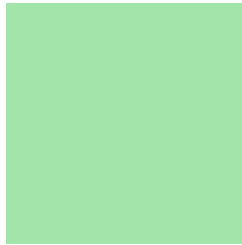
41, 81.278, 333.035



8, 34.552, 332.219

Previews

White Background



This preview shows how the CIELCh color 85, 38.619, 145.455 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, 38.619, 145.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

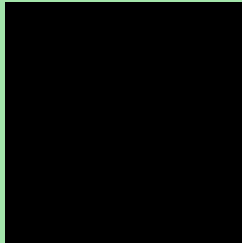
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 38.619, 145.455

Background



This preview shows how black text looks on a background with the CIELCh color 85, 38.619, 145.455.

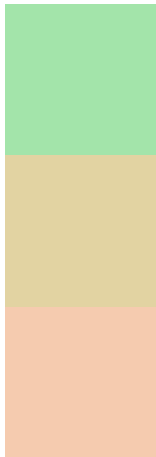


This preview shows how white text looks on a background with the CIELCh color 85, 38.619, 145.455.

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, 38.619, 145.455

Protanopia
85, 26.281, 94.845

Deuteranopia
85, 22.327, 60.990

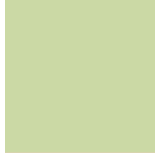


Tritanopia
85, 16.719, 231.113

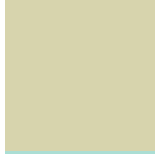
Trichromacy



Original Color
85, 38.619, 145.455



Protanomaly
85, 27.604, 119.181



Deuteranomaly
84, 20.418, 105.138

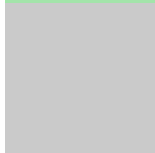


Tritanomaly
85, 18.424, 181.472

Monochromacy



Original Color
85, 38.619, 145.455



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 14.016, 146.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 38.619, 145.455 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(163, 228, 170)` looks like.

```
.text, #text, p{  
    color:rgb(163, 228, 170)  
}
```

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(163, 228, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 228, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 38.619, 145.455 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(163, 228, 170) }
```

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

```
.border{ border-color:rgb(163, 228, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 228, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 228, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 228, 170); box-shadow:4px 4px 4px 4px rgb(163, 228, 170) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 38.619, 145.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 228, 170) }
```

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

```
.background{ background-color: rgb(163,  
228, 170) }
```

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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