

Converting Colors

CIELCh(85, 45.675, 145.223)

Have a look what the booklet for
CIELCh(85, 45.675, 145.223)
contains.

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Color

CIELCh(85, 45.298, 145.263)

Conversions

Conversions Part 1

Format	Color
Hex	99E6A2
RGB	153, 230, 162
RGB Percent	60%, 90%, 64%
CMY	0.3998, 0.0978, 0.3645
CMYK	0.33, 0.00, 0.30, 0.10
HSL	127°, 61%, 75%
HSV	127°, 33%, 90%
XYZ	47.9811, 66.0070, 44.4148
YIQ	199.2250, -24.0640, -37.4720

Conversions

Conversions Part 2

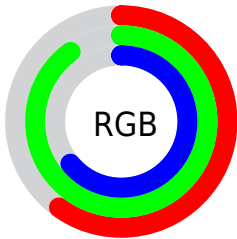
Format	Color
RYB	153, 222, 230
Decimal	10086050
CIELab	85.00, -37.22, 25.81
CIELCh	85, 45.298, 145.263
Yxy	66.0070, 0.3029, 0.4167
Android (android.graphics.Color)	4288276130 (0xFF99E6A2)
YUV	199.2250, -18.3519, -40.5393
Hunter-Lab	81.2447, -36.7605, 24.4587

Details

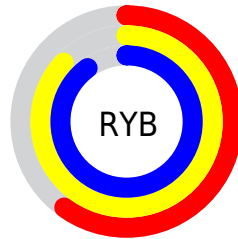
The CIELCh color $85, 45.298, 145.263$ is a light color, and the websafe version is hex $99FFCC$. A complement of this color would be $73, 45.335, 329.779$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 25.507, 148.401$, and $65, 45.202, 145.245$ is the 20% darker color. If you saturate the color by 10%, you get $84, 58.361, 144.221$, and if you desaturate by 10%, it is $87, 31.835, 146.165$.

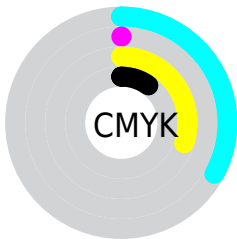
Distribution



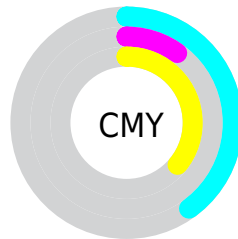
- Red (60%)
- Green (90%)
- Blue (64%)



- Red (60%)
- Yellow (87%)
- Blue (90%)



- Cyan (33%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)





- Cyan (40%)
- Magenta (10%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.298, 145.263 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, 45.298, 145.263 by changing the saturation by 10% instead.


 85, 45.298,
145.263


 85, 45.298,
145.263


 100, 45.298,
145.263


 75, 45.298,
145.263

 65, 45.298,
145.263

 55, 45.298,
145.263

 45, 45.298,
145.263

 35, 45.298,
145.263


 25, 45.298,
145.263


 15, 45.298,


145.263


 5, 45.298, 145.263


 0, 45.298, 145.263

 85, 45.298,
145.263

 85, 45.298,
145.263

 84, 58.361,
144.221


 87, 31.835,
146.165

 82, 70.712,
143.033

 88, 18.222,
146.943


 82, 82.000,
141.714

 91, 4.660, 147.652

 81, 91.843,
140.310

 93, 8.704, 328.110

 80, 99.853,

 94, 15.587,
324.963

138.904

■ 80, 105.690,
137.623

■ 80, 108.289,
136.963

Harmonies

Complementary

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



85, 45.298, 145.263



73, 45.335, 329.779

Rectangle

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



85, 45.298, 145.263



85, 45.298, 195.263



85, 45.298, 325.263



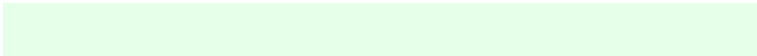
85, 45.298, 15.263

Sweetspot

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



85, 45.300, 145.263



98, 14.674, 147.186



89, 39.472, 112.098



52, 10.020, 147.087



0, 0.000, 0.000



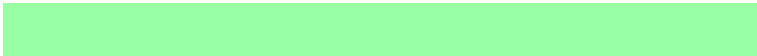
53, 0.007, 296.813

Same Dimension

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



85, 45.300, 145.263



92, 58.570, 144.575



86, 30.791, 167.091



47, 7.649, 147.228



63, 89.157, 137.153



17, 34.638, 140.900

Inverse Universe

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



73, 45.335, 329.779



76, 58.511, 330.187



72, 33.073, 354.082



45, 7.665, 328.318



41, 80.705, 333.493



8, 34.345, 332.593

Previews

White Background



This preview shows how the CIELCh color 85, 45.298, 145.263 looks on a white background.

Color Contrast Check

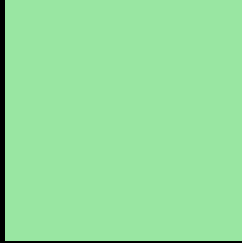
Large Text (above 18pt) WCAG AA × Fail

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, 45.298, 145.263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

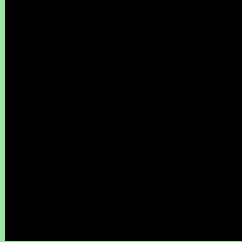
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 45.298, 145.263

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.298, 145.263.

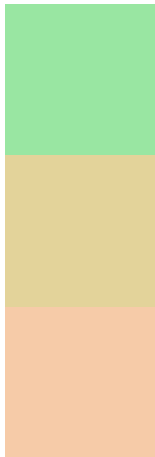


This preview shows how white text looks on a background with the CIELCh color 85, 45.298, 145.263.

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, 45.298, 145.263

Protanopia
85, 30.411, 95.379

Deuteranopia
85, 25.359, 66.009

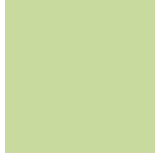


Tritanopia
85, 18.977, 228.567

Trichromacy



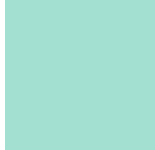
Original Color
85, 45.298, 145.263



Protanomaly
84, 32.428, 119.978



Deuteranomaly
84, 24.521, 108.957

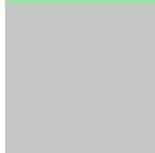


Tritanomaly
85, 22.232, 178.446

Monochromacy



Original Color
85, 45.298, 145.263



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 16.438, 147.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.298, 145.263 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(153, 230, 162)` looks like.

```
.text, #text, p{  
    color:rgb(153, 230, 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(153, 230, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 230, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.298, 145.263 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(153, 230, 162) }
```

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

```
.border{ border-color:rgb(153, 230, 162) }
```

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

Here you see how a box with a 4 pixel rgb(153, 230, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 230, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 230, 162);  
box-shadow:4px 4px 4px 4px rgb(153, 230,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.298, 145.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 230, 162) }
```

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

```
.background{ background-color: rgb(153,  
230, 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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