

Converting Colors

CIELCh(85, 52.704, 133.856)

Have a look what the booklet for
CIELCh(85, 52.704, 133.856)
contains.

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Color

CIELCh(85, 52.742, 133.846)

Conversions

Conversions Part 1

Format	Color
Hex	A5E58A
RGB	165, 229, 138
RGB Percent	65%, 90%, 54%
CMY	0.3522, 0.1012, 0.4581
CMYK	0.28, 0.00, 0.40, 0.10
HSL	102°, 64%, 72%
HSV	102°, 40%, 90%
XYZ	48.2308, 66.0070, 34.3120
YIQ	199.4900, -8.9330, -41.8690

Conversions

Conversions Part 2

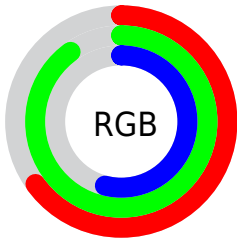
Format	Color
RYB	138, 229, 202
Decimal	10872202
CIELab	85.00, -36.54, 38.04
CIElCh	85, 52.742, 133.846
Yxy	66.0070, 0.3247, 0.4443
Android (android.graphics.Color)	4289062282 (0xFFA5E58A)
YUV	199.4900, -30.3146, -30.2477
Hunter-Lab	81.2447, -36.2121, 31.8314

Details

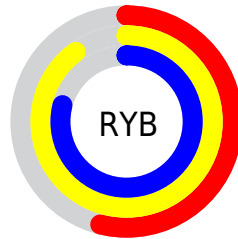
The CIELCh color **85, 52.742, 133.846** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **67, 54.301, 317.538**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 34.204, 128.761**, and **65, 52.784, 133.573** is the 20% darker color. If you saturate the color by 10%, you get **84, 65.375, 133.287**, and if you desaturate by 10%, it is **86, 39.639, 134.408**.

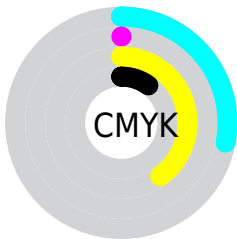
Distribution



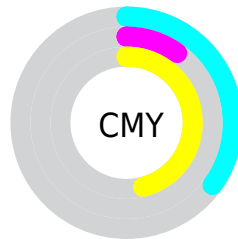
- Red (65%)
- Green (90%)
- Blue (54%)



- Red (54%)
- Yellow (90%)
- Blue (79%)



- Cyan (28%)
- Magenta (0%)
- Yellow (40%)
- Black (10%)





- Cyan (35%)
- Magenta (10%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 52.742, 133.846 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, 52.742, 133.846 by changing the saturation by 10% instead.


 85, 52.742,
133.846


 85, 52.742,
133.846


 100, 52.742,
133.846


 75, 52.742,
133.846

 65, 52.742,
133.846

 55, 52.742,
133.846

 45, 52.742,
133.846

 35, 52.742,
133.846

 25, 52.742,
133.846


 15, 52.742,

133.846

 5, 52.742, 133.846


 0, 52.742, 133.846


 85, 52.742,
133.846


 85, 52.742,
133.846


 84, 65.375,
133.287


 86, 39.639,
134.408

 83, 77.192,
132.785


 88, 26.305,
134.941


 82, 87.734,
132.432

 89, 12.919,
135.432


 81, 96.437,
132.351


 91, 0.393, 315.338


 81, 102.756,

 93, 13.544,
316.215

132.668

 94, 16.122,
324.982

 80, 106.651,
133.365

 80, 106.748,
133.383

Harmonies

Complementary

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



85, 52.742, 133.846



67, 54.301, 317.538

Rectangle

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



85, 52.742, 133.846



85, 52.742, 183.846



85, 52.742, 313.846



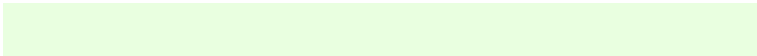
85, 52.742, 3.846

Sweetspot

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



85, 52.744, 133.847



98, 17.426, 135.320



82, 35.337, 88.583



52, 11.564, 135.256



0, 0.000, 0.000



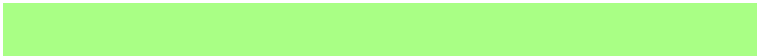
53, 0.007, 296.813

Same Dimension

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



85, 52.744, 133.847



92, 68.953, 133.365



84, 50.241, 147.238



47, 7.563, 135.444



64, 88.317, 133.178



18, 34.263, 133.426

Inverse Universe

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



67, 54.301, 317.538



69, 71.379, 317.865



69, 50.380, 333.139



45, 7.624, 316.218



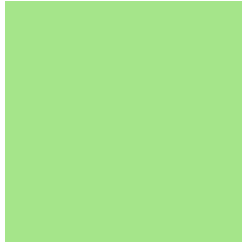
33, 91.559, 317.491



6, 36.756, 318.237

Previews

White Background



This preview shows how the CIELCh color 85, 52.742, 133.846 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, 52.742, 133.846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

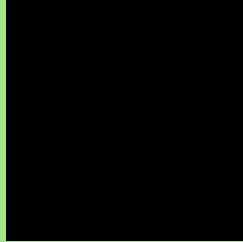
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 52.742, 133.846

Background



This preview shows how black text looks on a background with the CIELCh color 85, 52.742, 133.846.

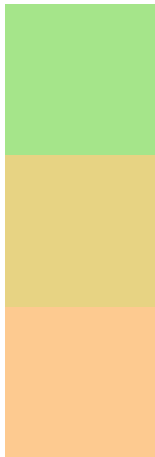


This preview shows how white text looks on a background with the CIELCh color 85, 52.742, 133.846.

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, 52.742, 133.846

Protanopia
85, 42.214, 95.244

Deuteranopia
85, 37.387, 73.184



Tritanopia
85, 14.952, 235.661

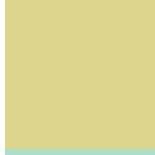
Trichromacy



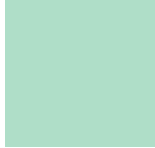
Original Color
85, 52.742, 133.846



Protanomaly
85, 43.341, 112.350



Deuteranomaly
84, 36.481, 101.248

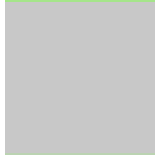


Tritanomaly
85, 20.435, 163.503

Monochromacy



Original Color
85, 52.742, 133.846



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 19.637, 135.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 52.742, 133.846 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(165, 229, 138)` looks like.

```
.text, #text, p{  
    color:rgb(165, 229, 138)  
}
```

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(165, 229, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 229, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 52.742, 133.846 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(165, 229, 138) }
```

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

```
.border{ border-color:rgb(165, 229, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 229, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 229, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 229, 138); box-shadow:4px 4px 4px 4px rgb(165, 229, 138) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 52.742, 133.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 229, 138) }
```

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

```
.background{ background-color: rgb(165,  
229, 138) }
```

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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