

Converting Colors

CIELCh(85, 42.122, 135.276)

Have a look what the booklet for
CIELCh(85, 42.122, 135.276)
contains.

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Color

CIELCh(85, 41.788, 135.189)

Conversions

Conversions Part 1

Format	Color
Hex	AEE29B
RGB	174, 226, 155
RGB Percent	68%, 89%, 61%
CMY	0.3163, 0.1123, 0.3908
CMYK	0.23, 0.00, 0.31, 0.11
HSL	104°, 55%, 75%
HSV	104°, 31%, 89%
XYZ	50.7738, 66.0070, 41.2248
YIQ	202.3580, -8.2010, -33.1050

Conversions

Conversions Part 2

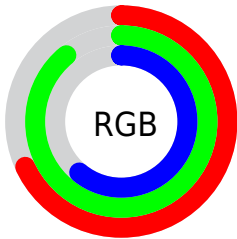
Format	Color
RYB	155, 226, 207
Decimal	11461275
CIELab	85.00, -29.65, 29.45
CIElCh	85, 41.788, 135.189
Yxy	66.0070, 0.3213, 0.4178
Android (android.graphics.Color)	4289651355 (0xFFAEE29B)
YUV	202.3580, -23.3475, -24.8700
Hunter-Lab	81.2447, -30.6247, 26.7867

Details

The CIELCh color **85, 41.788, 135.189** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **71, 42.650, 318.102**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 24.641, 130.205**, and **65, 41.625, 135.162** is the 20% darker color. If you saturate the color by 10%, you get **84, 54.820, 134.601**, and if you desaturate by 10%, it is **86, 28.493, 135.746**.

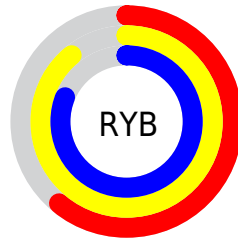
Distribution



Red (68%)

Green (89%)

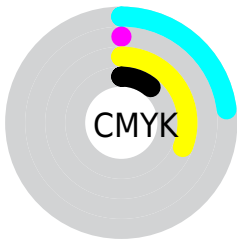
Blue (61%)



Red (61%)

Yellow (89%)

Blue (81%)

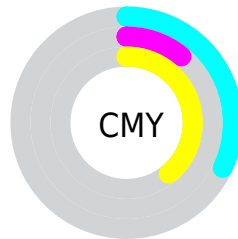


Cyan (23%)

Magenta (0%)

Yellow (31%)

Black (11%)



Cyan (32%)


Magenta (11%)

Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 41.788, 135.189 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, 41.788, 135.189 by changing the saturation by 10% instead.


 85, 41.788,
135.189

 85, 41.788,
135.189


 100, 41.788,
135.189


 75, 41.788,
135.189

 65, 41.788,
135.189

 55, 41.788,
135.189

 45, 41.788,
135.189

 35, 41.788,
135.189

 25, 41.788,
135.189

 15, 41.788,

135.189

■ 5, 41.788, 135.189

■ 0, 41.788, 135.189

■ 85, 41.788,
135.189

■ 85, 41.788,
135.189

■ 84, 54.820,
134.601

■ 86, 28.493,
135.746

■ 83, 67.320,
134.011

■ 88, 15.122,
136.257

■ 82, 78.926,
133.482

■ 90, 1.811, 136.806

■ 81, 89.158,
133.107

■ 92, 11.341,
317.066

■ 80, 97.441,

■ 93, 17.903,
325.046

133.015

■ 80, 103.259,
133.325

■ 79, 106.385,
133.860

Harmonies

Complementary

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



85, 41.788, 135.189



71, 42.650, 318.102

Rectangle

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



85, 41.788, 135.189



85, 41.788, 185.189



85, 41.788, 315.189



85, 41.788, 5.189

Sweetspot

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



85, 41.790, 135.190



98, 13.161, 136.369



83, 27.908, 90.972



52, 9.152, 136.298



0, 0.000, 0.000



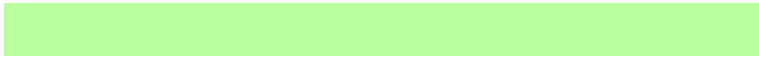
53, 0.007, 296.813

Same Dimension

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



85, 41.790, 135.190



94, 55.575, 134.787



84, 39.013, 148.670



46, 7.487, 136.351



63, 87.910, 133.666



17, 32.990, 134.519

Inverse Universe

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



71, 42.650, 318.102



75, 56.953, 318.390



73, 39.212, 333.185



44, 7.542, 317.132



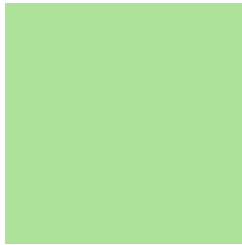
34, 90.115, 318.437



5, 35.044, 318.968

Previews

White Background



This preview shows how the CIELCh color 85, 41.788, 135.189 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, 41.788, 135.189 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, 41.788, 135.189

Background



This preview shows how black text looks on a background with the CIELCh color 85, 41.788, 135.189.



This preview shows how white text looks on a background with the CIELCh color 85, 41.788, 135.189.

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, 41.788, 135.189

Protanopia
85, 33.015, 95.330

Deuteranopia
85, 29.517, 69.181



Tritanopia
85, 13.368, 244.265

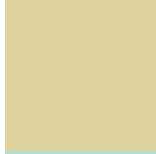
Trichromacy



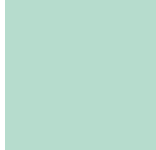
Original Color
85, 41.788, 135.189



Protanomaly
85, 34.345, 113.197



Deuteranomaly
84, 27.996, 98.754

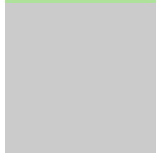


Tritanomaly
85, 15.721, 168.166

Monochromacy



Original Color
85, 41.788, 135.189



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 14.824, 135.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 41.788, 135.189 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(174, 226, 155)` looks like.

```
.text, #text, p{  
    color:rgb(174, 226, 155)  
}
```

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(174, 226, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 226, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 41.788, 135.189 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(174, 226, 155) }
```

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

```
.border{ border-color:rgb(174, 226, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 226, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 226, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 226, 155); box-shadow:4px 4px 4px 4px rgb(174, 226, 155) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 41.788, 135.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 226, 155) }
```

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

```
.background{ background-color: rgb(174,  
226, 155) }
```

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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