

Converting Colors

CIELCh(85, 39.311, 116.762)

Have a look what the booklet for
CIELCh(85, 39.311, 116.762)
contains.

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Color

CIELCh(85, 39.220, 116.786)

Conversions

Conversions Part 1

Format	Color
Hex	CBDC91
RGB	203, 220, 145
RGB Percent	80%, 86%, 57%
CMY	0.2035, 0.1368, 0.4309
CMYK	0.08, 0.00, 0.34, 0.14
HSL	74°, 52%, 72%
HSV	74°, 34%, 86%
XYZ	55.4023, 66.0070, 36.6521
YIQ	206.3670, 13.9430, -26.9290

Conversions

Conversions Part 2

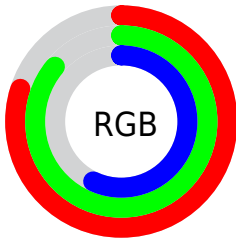
Format	Color
RYB	145, 220, 162
Decimal	13360273
CIELab	85.00, -17.67, 35.01
CIELCh	85, 39.220, 116.786
Yxy	66.0070, 0.3505, 0.4176
Android (android.graphics.Color)	4291550353 (0xFFCBDC91)
YUV	206.3670, -30.2539, -2.9529
Hunter-Lab	81.2447, -20.4556, 30.1237

Details

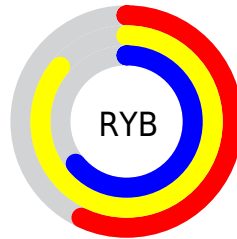
The CIELCh color **85, 39.220, 116.786** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **64, 42.323, 301.786**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 27.734, 108.071**, and **65, 39.435, 116.652** is the 20% darker color. If you saturate the color by 10%, you get **84, 50.210, 116.172**, and if you desaturate by 10%, it is **86, 27.886, 117.443**.

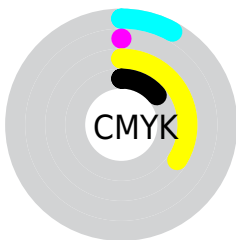
Distribution



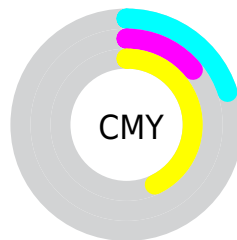
- Red (80%)
- Green (86%)
- Blue (57%)



- Red (57%)
- Yellow (86%)
- Blue (64%)



- Cyan (8%)
- Magenta (0%)
- Yellow (34%)
- Black (14%)





- Cyan (20%)
- Magenta (14%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 39.220, 116.786 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, 39.220, 116.786 by changing the saturation by 10% instead.


 85, 39.220,
116.786


 85, 39.220,
116.786


 100, 39.220,
116.786


 75, 39.220,
116.786

 65, 39.220,
116.786

 55, 39.220,
116.786

 45, 39.220,
116.786

 35, 39.220,
116.786

 25, 39.220,
116.786

 15, 39.220,

116.786

■ 5, 39.220, 116.786

■ 0, 39.220, 116.786

■ 85, 39.220,
116.786

■ 85, 39.220,
116.786

■ 84, 50.210,
116.172

■ 86, 27.886,
117.443

■ 84, 60.618,
115.636

■ 87, 16.357,
118.107

■ 83, 70.105,
115.242

■ 87, 4.737, 118.764

■ 83, 78.203,
115.074

■ 88, 6.905, 299.387

■ 89, 18.432,
300.026

■ 82, 84.375,

115.232

90, 18.767,
305.182

82, 88.225,
115.800

90, 19.246,
310.169

82, 89.648,
116.288

91, 19.861,
314.927

91, 20.604,
319.414

Harmonies

Complementary

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



85, 39.220, 116.786



64, 42.323, 301.786

Rectangle

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



85, 39.220, 116.786



85, 39.220, 166.786



85, 39.220, 296.786



85, 39.220, 346.786

Sweetspot

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



85, 39.222, 116.788



99, 13.099, 118.370



71, 25.986, 40.935



53, 8.936, 118.277



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, 39.222, 116.788



96, 52.798, 116.335



83, 44.116, 134.572



46, 6.580, 118.413



66, 74.956, 116.094



17, 27.134, 116.529

Inverse Universe

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



64, 42.323, 301.786



68, 58.116, 302.542



68, 45.172, 317.721



42, 6.714, 299.658



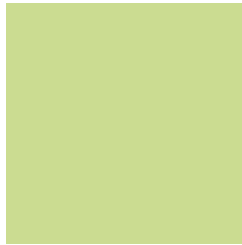
22, 98.314, 307.534



2, 29.980, 300.448

Previews

White Background



This preview shows how the CIELCh color 85, 39.220, 116.786 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 CIE LCh color 85, 39.220, 116.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

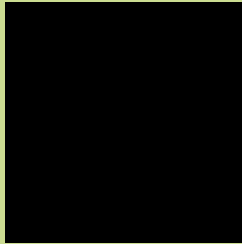
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 39.220, 116.786

Background



This preview shows how black text looks on a background with the CIELCh color 85, 39.220, 116.786.



This preview shows how white text looks on a background with the CIELCh color 85, 39.220, 116.786.

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, 39.220, 116.786

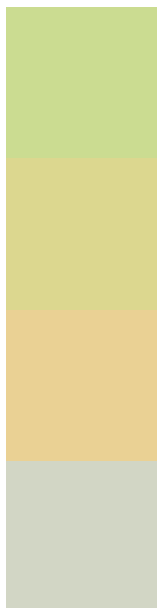
Protanopia
85, 37.071, 95.574

Deuteranopia
85, 35.074, 72.707



Tritanopia
85, 9.087, 299.840

Trichromacy



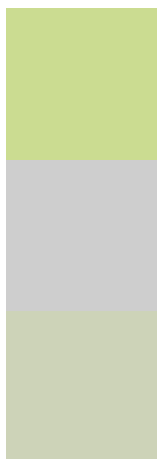
Original Color
85, 39.220, 116.786

Protanomaly
85, 37.268, 103.837

Deuteranomaly
85, 33.467, 89.693

Tritanomaly
85, 9.036, 118.848

Monochromacy



Original Color
85, 39.220, 116.786

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 14.362, 118.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 39.220, 116.786 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(203, 220, 145)` looks like.

```
.text, #text, p{  
    color:rgb(203, 220, 145)  
}
```

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(203, 220, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 220, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 39.220, 116.786 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(203, 220, 145) }
```

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

```
.border{ border-color:rgb(203, 220, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 220, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 220, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 220, 145); box-shadow:4px 4px 4px 4px rgb(203, 220, 145) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 39.220, 116.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 220, 145) }
```

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

```
.background{ background-color: rgb(203,  
220, 145) }
```

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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