

Converting Colors

CIELCh(89, 40.743, 120.202)

Have a look what the booklet for
CIELCh(89, 40.743, 120.202)
contains.

CIELCh(89, 40.898, 120.160)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 40.898, 120.160)

Conversions

Conversions Part 1

Format	Color
Hex	D1E99B
RGB	209, 233, 155
RGB Percent	82%, 91%, 61%
CMY	0.1806, 0.0864, 0.3923
CMYK	0.10, 0.00, 0.33, 0.09
HSL	78°, 64%, 76%
HSV	78°, 33%, 91%
XYZ	61.3190, 74.1641, 42.0734
YIQ	216.9320, 10.7340, -29.3460

Conversions

Conversions Part 2

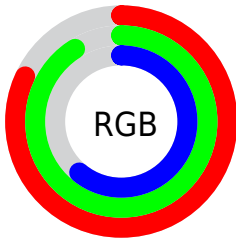
Format	Color
RYB	155, 233, 179
Decimal	13756827
CIELab	89.00, -20.55, 35.36
CIELCh	89, 40.898, 120.160
Yxy	74.1641, 0.3453, 0.4177
Android (android.graphics.Color)	4291946907 (0xFFD1E99B)
YUV	216.9320, -30.5325, -6.9564
Hunter-Lab	86.1186, -23.6102, 31.3168

Details

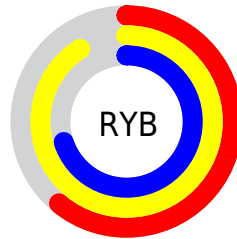
The CIELCh color **89, 40.898, 120.160** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **69, 43.779, 304.400**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 22.729, 108.455**, and **69, 40.599, 119.869** is the 20% darker color. If you saturate the color by 10%, you get **88, 52.619, 119.617**, and if you desaturate by 10%, it is **90, 28.840, 120.743**.

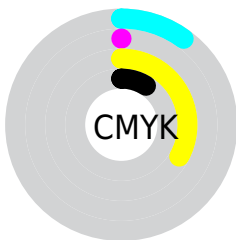
Distribution



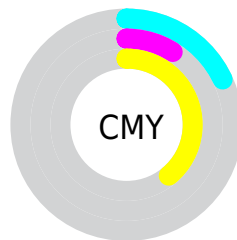
- Red (82%)
- Green (91%)
- Blue (61%)



- Red (61%)
- Yellow (91%)
- Blue (70%)



- Cyan (10%)
- Magenta (0%)
- Yellow (33%)
- Black (9%)





- Cyan (18%)
- Magenta (9%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 40.898, 120.160 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 89, 40.898, 120.160 by changing the saturation by 10% instead.

 89, 40.898,
120.160

 89, 40.898,
120.160


 100, 40.898,
120.160


 79, 40.898,
120.160

 69, 40.898,
120.160

 59, 40.898,
120.160

 49, 40.898,
120.160

 39, 40.898,
120.160


 29, 40.898,
120.160


 19, 40.898,

120.160

 9, 40.898, 120.160


 0, 40.898, 120.160


 89, 40.898,
120.160


 89, 40.898,
120.160

 88, 52.619,
119.617

 90, 28.840,
120.743

 87, 63.757,
119.153

 91, 16.598,
121.329

 87, 73.965,
118.836

 92, 4.282, 121.911

 86, 82.761,
118.762

 93, 8.034, 302.439

 86, 89.585,

 94, 12.138,
310.722

119.044

94, 13.200,
321.031

85, 94.010,
119.782

95, 13.763,
324.897

85, 95.818,
120.468

Harmonies

Complementary

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



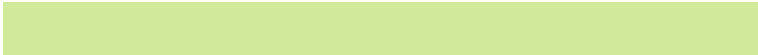
89, 40.898, 120.160



69, 43.779, 304.400

Rectangle

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



89, 40.898, 120.160



89, 40.898, 170.160



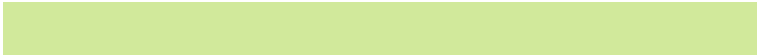
89, 40.898, 300.160



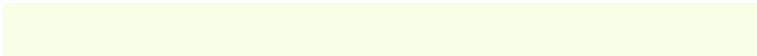
89, 40.898, 350.160

Sweetspot

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



89, 40.900, 120.162



99, 13.249, 121.529



77, 25.765, 49.609



53, 9.039, 121.447



0, 0.000, 0.000



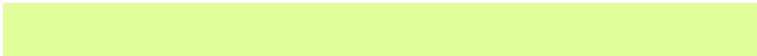
53, 0.007, 296.813

Same Dimension

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



89, 40.900, 120.162



96, 52.274, 119.790



87, 46.578, 136.994



49, 7.034, 121.563



68, 79.214, 120.229



20, 31.933, 119.490

Inverse Universe

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



69, 43.779, 304.400



70, 56.874, 304.972



72, 47.281, 320.296



45, 7.167, 302.646



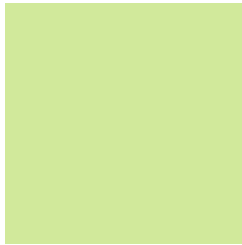
24, 100.262, 308.442



3, 36.690, 305.405

Previews

White Background



This preview shows how the CIELCh color 89, 40.898, 120.160 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 89, 40.898, 120.160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

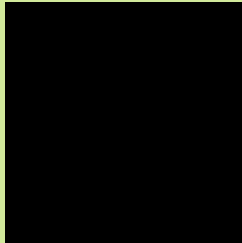
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 40.898, 120.160

Background



This preview shows how black text looks on a background with the CIELCh color 89, 40.898, 120.160.

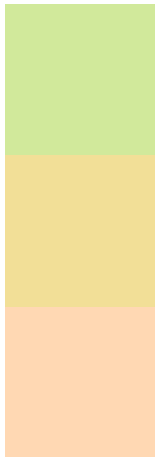


This preview shows how white text looks on a background with the CIELCh color 89, 40.898, 120.160.

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](#).

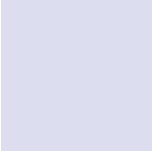
Dichromacy



Original Color
89, 40.898, 120.160

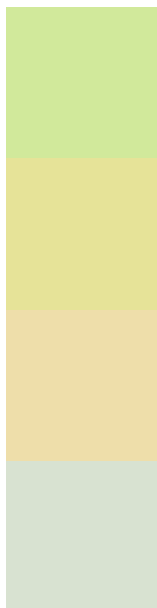
Protanopia
89, 37.825, 95.366

Deuteranopia
89, 24.756, 70.298



Tritanopia
89, 9.402, 286.738

Trichromacy



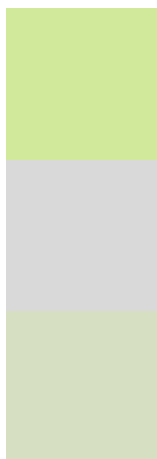
Original Color
89, 40.898, 120.160

Protanomaly
89, 38.398, 105.191

Deuteranomaly
89, 27.631, 94.740

Tritanomaly
89, 9.580, 131.791

Monochromacy



Original Color
89, 40.898, 120.160

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 15.458, 121.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 40.898, 120.160 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(209, 233, 155)` looks like.

```
.text, #text, p{  
    color:rgb(209, 233, 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(209, 233, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 233, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 40.898, 120.160 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(209, 233, 155) }
```

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

```
.border{ border-color:rgb(209, 233, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 233, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 233, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 233, 155);  
box-shadow:4px 4px 4px 4px rgb(209, 233,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 40.898, 120.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 233, 155) }
```

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

```
.background{ background-color: rgb(209,  
233, 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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