

Converting Colors

CIELCh(90, 42.337, 119.469)

Have a look what the booklet for
CIELCh(90, 42.337, 119.469)
contains.

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Color

CIELCh(90, 42.254, 119.648)

Conversions

Conversions Part 1

Format	Color
Hex	D4EC9B
RGB	212, 236, 155
RGB Percent	83%, 93%, 61%
CMY	0.1689, 0.0748, 0.3924
CMYK	0.10, 0.00, 0.34, 0.07
HSL	78°, 68%, 77%
HSV	78°, 34%, 93%
XYZ	63.0191, 76.3034, 42.3891
YIQ	219.5900, 11.6970, -30.2790

Conversions

Conversions Part 2

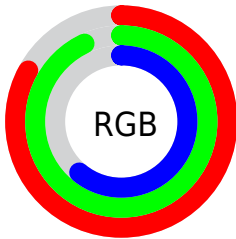
Format	Color
RYB	155, 236, 179
Decimal	13954203
CIELab	90.00, -20.90, 36.72
CIElCh	90, 42.254, 119.648
Yxy	76.3034, 0.3468, 0.4199
Android (android.graphics.Color)	4292144283 (0xFFD4EC9B)
YUV	219.5900, -31.8429, -6.6564
Hunter-Lab	87.3518, -24.0885, 32.3747

Details

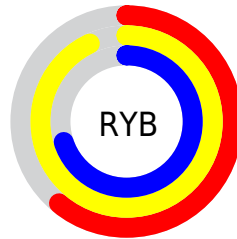
The CIELCh color **90, 42.254, 119.648** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **69, 45.372, 304.099**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 22.729, 108.455**, and **70, 42.075, 119.852** is the 20% darker color. If you saturate the color by 10%, you get **89, 54.025, 119.100**, and if you desaturate by 10%, it is **91, 30.122, 120.239**.

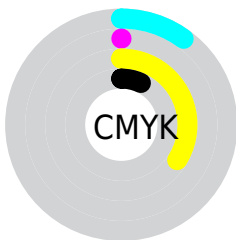
Distribution



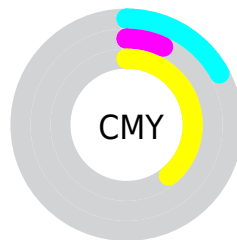
- Red (83%)
- Green (93%)
- Blue (61%)



- Red (61%)
- Yellow (93%)
- Blue (70%)



- Cyan (10%)
- Magenta (0%)
- Yellow (34%)
- Black (7%)



- Cyan (17%)
- Magenta (7%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 42.254, 119.648 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 90, 42.254, 119.648 by changing the saturation by 10% instead.


 90, 42.254,
119.648


 90, 42.254,
119.648

 100, 42.254,
119.648


 80, 42.254,
119.648

 70, 42.254,
119.648

 60, 42.254,
119.648

 50, 42.254,
119.648

 40, 42.254,
119.648

 30, 42.254,
119.648

 20, 42.254,

119.648

■ 10, 42.254,
119.648

■ 0, 42.254, 119.648

■ 90, 42.254,
119.648

■ 90, 42.254,
119.648

■ 89, 54.025,
119.100

■ 91, 30.122,
120.239

■ 88, 65.180,
118.636

■ 92, 17.790,
120.836

■ 88, 75.353,
118.327

■ 93, 5.372, 121.428

■ 87, 84.045,
118.268

■ 94, 7.053, 301.971

■ 95, 10.569,
311.938

■ 87, 90.691,
118.572

■ 95, 11.680,
323.228

■ 86, 94.886,
119.333

■ 95, 11.894,
324.829

■ 86, 96.405,
119.925

Harmonies

Complementary

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



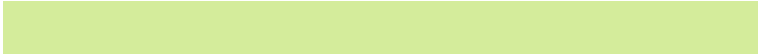
90, 42.254, 119.648



69, 45.372, 304.099

Rectangle

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



90, 42.254, 119.648



90, 42.254, 169.648



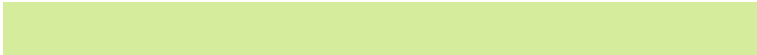
90, 42.254, 299.648



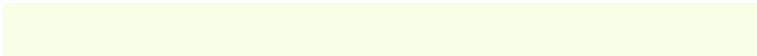
90, 42.254, 349.648

Sweetspot

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



90, 42.256, 119.650



99, 13.225, 121.090



77, 26.923, 47.798



53, 9.023, 121.007



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 42.256, 119.650



96, 53.411, 119.267



88, 47.985, 136.475



49, 7.022, 121.125



68, 78.940, 119.681



20, 31.842, 118.964

Inverse Universe

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



69, 45.372, 304.099



69, 58.340, 304.703



73, 48.805, 319.819



45, 7.156, 302.230



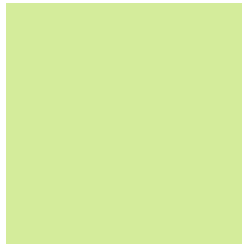
24, 100.459, 308.292



3, 36.636, 305.064

Previews

White Background



This preview shows how the CIELCh color 90, 42.254, 119.648 looks on a white background.

Color Contrast Check

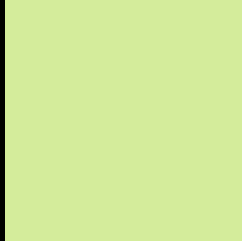
Large Text (above 18pt) WCAG AA × Fail

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 90, 42.254, 119.648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

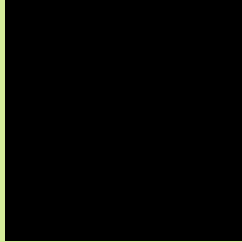
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 42.254, 119.648

Background



This preview shows how black text looks on a background with the CIELCh color 90, 42.254, 119.648.

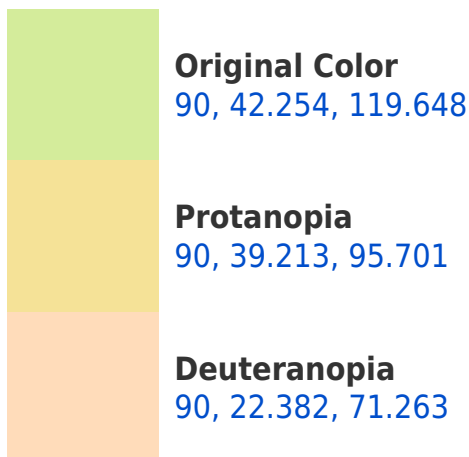


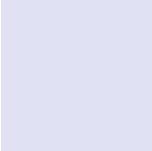
This preview shows how white text looks on a background with the CIELCh color 90, 42.254, 119.648.

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](#).

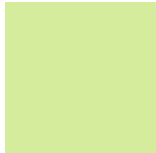
Dichromacy





Tritanopia
90, 9.365, 288.830

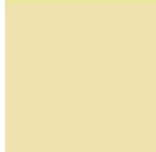
Trichromacy



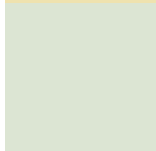
Original Color
90, 42.254, 119.648



Protanomaly
90, 39.804, 105.169

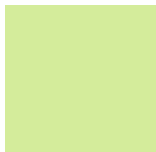


Deuteranomaly
90, 26.784, 97.067

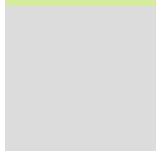


Tritanomaly
90, 9.906, 128.735

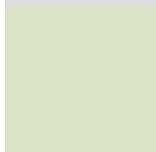
Monochromacy



Original Color
90, 42.254, 119.648



Achromatopsia
88, 0.010, 296.813



Achromatomaly
89, 15.925, 121.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 42.254, 119.648 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(212, 236, 155)` looks like.

```
.text, #text, p{  
    color:rgb(212, 236, 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(212, 236, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 236, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 42.254, 119.648 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(212, 236, 155) }
```

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

```
.border{ border-color:rgb(212, 236, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 236, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 236, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 236, 155);  
box-shadow:4px 4px 4px 4px rgb(212, 236,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 42.254, 119.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 236, 155) }
```

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

```
.background{ background-color: rgb(212,  
236, 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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