

Converting Colors

CIELCh(93, 48.973, 126.116)

Have a look what the booklet for
CIELCh(93, 48.973, 126.116)
contains.

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Color

CIELCh(93, 49.201, 126.142)

Conversions

Conversions Part 1

Format	Color
Hex	CEF99D
RGB	206, 249, 157
RGB Percent	81%, 98%, 62%
CMY	0.1938, 0.0252, 0.3859
CMYK	0.17, 0.00, 0.37, 0.03
HSL	88°, 88%, 79%
HSV	88°, 37%, 97%
XYZ	65.1300, 82.9670, 44.2997
YIQ	225.6550, 3.9040, -37.7280

Conversions

Conversions Part 2

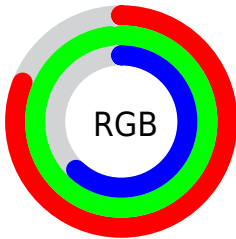
Format	Color
RYB	157, 249, 200
Decimal	13564317
CIELab	93.00, -29.02, 39.73
CIElCh	93, 49.201, 126.142
Yxy	82.9670, 0.3385, 0.4312
Android (android.graphics.Color)	4291754397 (0xFFCEF99D)
YUV	225.6550, -33.8469, -17.2374
Hunter-Lab	91.0862, -31.7669, 34.9248

Details

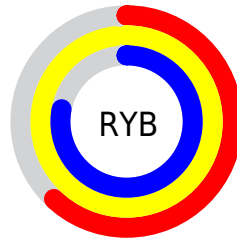
The CIELCh color **93, 49.201, 126.142** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **72, 52.121, 309.875**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 21.724, 108.532**, and **73, 49.179, 126.126** is the 20% darker color. If you saturate the color by 10%, you get **92, 61.905, 125.689**, and if you desaturate by 10%, it is **94, 36.087, 126.637**.

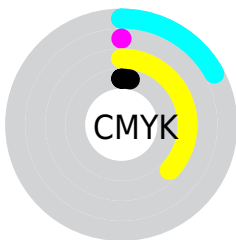
Distribution



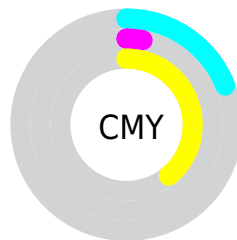
- Red (81%)
- Green (98%)
- Blue (62%)



- Red (62%)
- Yellow (98%)
- Blue (78%)



- Cyan (17%)
- Magenta (0%)
- Yellow (37%)
- Black (3%)




- Cyan (19%)
- Magenta (3%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 49.201, 126.142 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 93, 49.201, 126.142 by changing the saturation by 10% instead.


 93, 49.201,
126.142


 93, 49.201,
126.142


 100, 49.201,
126.142

 83, 49.201,
126.142

 73, 49.201,
126.142

 63, 49.201,
126.142

 53, 49.201,
126.142

 43, 49.201,
126.142

 33, 49.201,
126.142

 23, 49.201,

126.142

■ 13, 49.201,
126.142

■ 3, 49.201, 126.142

■ 93, 49.201,
126.142

■ 93, 49.201,
126.142

■ 92, 61.905,
125.689

■ 94, 36.087,
126.637

■ 91, 73.896,
125.330

■ 95, 22.759,
127.134

■ 90, 84.753,
125.151

■ 97, 9.359, 127.620

■ 89, 93.923,
125.270

■ 98, 3.519, 310.598

■ 98, 4.000, 324.504

■ 89, 100.829,
125.818

■ 88, 105.172,
126.872

■ 88, 106.173,
127.232

Harmonies

Complementary

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



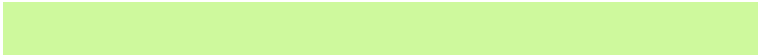
93, 49.201, 126.142



72, 52.121, 309.875

Rectangle

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



93, 49.201, 126.142



93, 49.201, 176.142



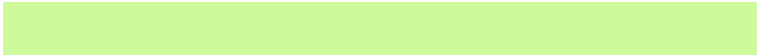
93, 49.201, 306.142



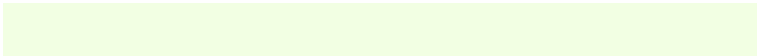
93, 49.201, 356.142

Sweetspot

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



93, 49.203, 126.144



98, 15.027, 127.427



84, 30.448, 67.304



52, 10.099, 127.361



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 49.203, 126.144



94, 59.364, 125.816



90, 57.042, 140.919



52, 7.637, 127.500



69, 86.094, 126.952



23, 37.458, 125.507

Inverse Universe

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



72, 52.121, 309.875



68, 63.685, 310.293



76, 57.097, 325.469



48, 7.750, 308.359



29, 100.219, 311.167



5, 43.209, 311.754

Previews

White Background



This preview shows how the CIELCh color 93, 49.201, 126.142 looks on a white background.

Color Contrast Check

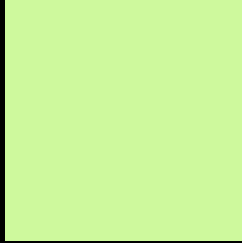
Large Text (above 18pt) WCAG AA × Fail

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 93, 49.201, 126.142 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 93, 49.201, 126.142

Background



This preview shows how black text looks on a background with the CIELCh color 93, 49.201, 126.142.

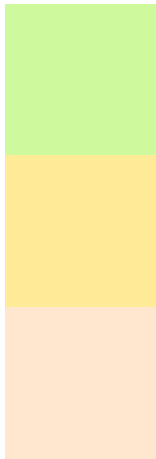


This preview shows how white text looks on a background with the CIELCh color 93, 49.201, 126.142.

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](#).

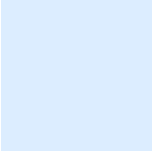
Dichromacy



Original Color
93, 49.201, 126.142

Protanopia
93, 43.045, 95.403

Deuteranopia
93, 15.148, 70.823

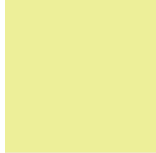


Tritanopia
93, 10.790, 258.881

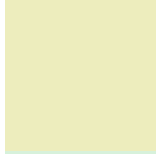
Trichromacy



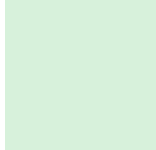
Original Color
93, 49.201, 126.142



Protanomaly
93, 43.472, 107.736



Deuteranomaly
93, 24.557, 108.208

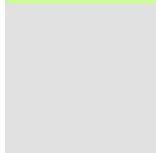


Tritanomaly
93, 14.737, 148.298

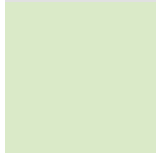
Monochromacy



Original Color
93, 49.201, 126.142



Achromatopsia
90, 0.011, 296.813



Achromatomaly
91, 18.533, 127.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 49.201, 126.142 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(206, 249, 157)` looks like.

```
.text, #text, p{  
    color:rgb(206, 249, 157)  
}
```

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(206, 249, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 249, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 49.201, 126.142 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(206, 249, 157) }
```

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

```
.border{ border-color:rgb(206, 249, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 249, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 249, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 249, 157);  
box-shadow:4px 4px 4px 4px rgb(206, 249,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 49.201, 126.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 249, 157) }
```

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

```
.background{ background-color: rgb(206,  
249, 157) }
```

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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