

# Converting Colors

CIELCh(98, 18.342, 136.794)

Have a look what the booklet for  
CIELCh(98, 18.342, 136.794)  
contains.

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# **Color**

**CIElCh(98, 17.855, 136.508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FFE1
RGB	233, 255, 225
RGB Percent	91%, 100%, 88%
CMY	0.0863, 0.0000, 0.1177
CMYK	0.09, 0.00, 0.12, 0.00
HSL	104°, 100%, 94%
HSV	104°, 12%, 100%
XYZ	83.2670, 94.9163, 85.1499
YIQ	245.0020, -3.4820, -13.9940

# Conversions

## Conversions Part 2

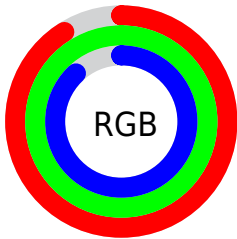
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 255, 247
Decimal	15335393
CIE Lab	98.00, -12.95, 12.29
CIE LCh	98, 17.855, 136.508
Yxy	94.9163, 0.3162, 0.3604
Android (android.graphics.Color)	4293525473 (0xFFE9FFE1)
YUV	245.0020, -9.8610, -10.5258
Hunter-Lab	97.4250, -17.9337, 16.3777

# Details

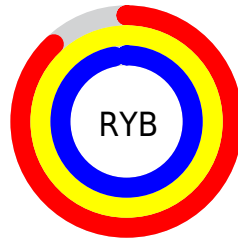
The CIELCh color **98, 17.855, 136.508** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **92, 17.391, 317.269**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 16.967, 136.664** is the 20% darker color. If you saturate the color by 10%, you get **96, 31.976, 135.745**, and if you desaturate by 10%, it is **100, 2.574, 136.791**.

# Distribution



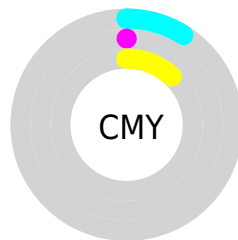
- Red (91%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (97%)



- Cyan (9%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (12%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 17.855, 136.508 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 98, 17.855, 136.508 by changing the saturation by 10% instead.





 98, 17.855,  
136.508


 98, 17.855,  
136.508

 100, 17.855,  
136.508

 88, 17.855,  
136.508

 78, 17.855,  
136.508

 68, 17.855,  
136.508

 58, 17.855,  
136.508

 48, 17.855,  
136.508

 38, 17.855,  
136.508

 28, 17.855,

136.508

■ 18, 17.855,  
136.508

■ 8, 17.855, 136.508

■ 98, 17.855,  
136.508

■ 98, 17.855,  
136.508

■ 96, 31.976,  
135.745

■ 100, 2.574,  
136.791

■ 94, 46.615,  
135.182

100, 0.012,  
296.813

■ 93, 60.943,  
134.587

■ 92, 74.659,  
133.994

■ 91, 87.349,  
133.468

■ 90, 98.465,  
133.108

■ 89, 107.362,  
133.045

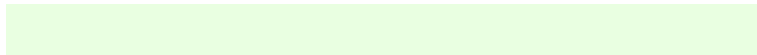
■ 89, 113.487,  
133.397

■ 88, 116.538,  
133.949

# Harmonies

# Complementary

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



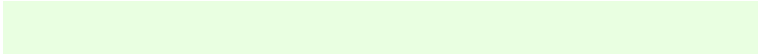
98, 17.855, 136.508



92, 17.391, 317.269

# Rectangle

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



98, 17.855, 136.508



98, 17.855, 186.508



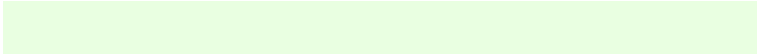
98, 17.855, 316.508



98, 17.855, 6.508

# Sweetspot

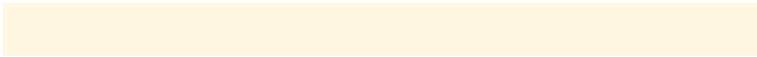
The Sweet Spot groups the original color and five complimentary colors.



98, 17.244, 136.262



99, 5.830, 136.646



97, 11.370, 93.458



53, 4.146, 136.606



0, 0.000, 0.000



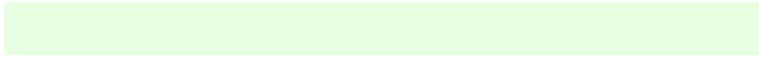
53, 0.007, 296.813



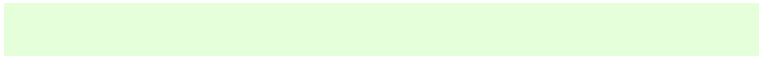


# Same Dimension

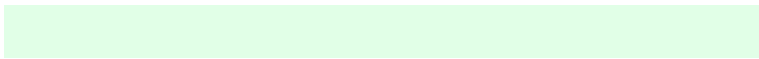
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 17.244, 136.262



97, 20.525, 136.151



97, 16.096, 150.343



52, 8.319, 136.373



68, 93.630, 133.751



23, 41.650, 132.770



# Inverse Universe

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



92, 17.391, 317.269



91, 20.724, 317.369



93, 16.154, 331.847



50, 8.380, 317.167



37, 95.887, 318.415



9, 43.875, 319.488



# Previews

## White Background



This preview shows how the CIE LCh color 98, 17.855, 136.508 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 98, 17.855, 136.508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

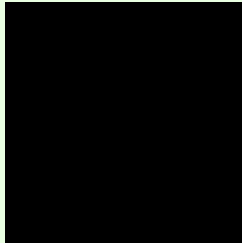
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

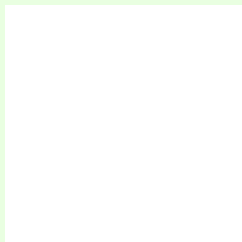
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 98, 17.855, 136.508

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 17.855, 136.508.

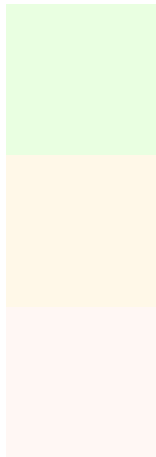


This preview shows how white text looks on a background with the CIELCh color 98, 17.855, 136.508.

# 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**  
98, 17.233, 136.264

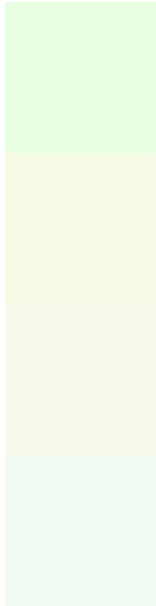
**Protanopia**  
98, 8.505, 92.231

**Deuteranopia**  
98, 3.208, 47.763



**Tritanopia**  
98, 3.638, 279.505

# Trichromacy



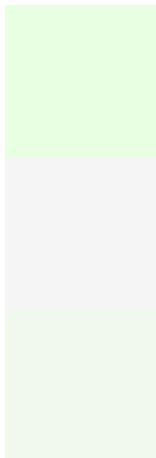
**Original Color**  
98, 17.233, 136.264

**Protanomaly**  
98, 11.280, 116.676

**Deuteranomaly**  
98, 6.704, 118.846

**Tritanomaly**  
98, 5.031, 154.093

# Monochromacy



**Original Color**  
98, 17.233, 136.264

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 6.307, 136.438

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 17.855, 136.508 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(233, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 225)  
}
```

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(233, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 225) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 17.855, 136.508 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(233, 255, 225) }
```

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

```
.border{ border-color:rgb(233, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
225) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 17.855, 136.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 225) }
```

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

```
.background{ background-color: rgb(233,  
255, 225) }
```

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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