

# Converting Colors

CIELCh(93, 9.241, 137.977)

Have a look what the booklet for  
CIELCh(93, 9.241, 137.977) contains.

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# Color

**CIELCh(93, 9.499, 138.900)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2EFDf
RGB	226, 239, 223
RGB Percent	89%, 94%, 87%
CMY	0.1150, 0.0640, 0.1268
CMYK	0.05, 0.00, 0.07, 0.06
HSL	109°, 33%, 90%
HSV	109°, 7%, 94%
XYZ	75.3080, 82.9670, 81.6280
YIQ	233.2890, -2.6120, -7.7320

# Conversions

## Conversions Part 2

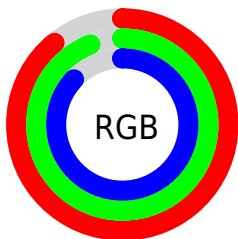
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 239, 236
Decimal	14872543
CIE Lab	93.00, -7.16, 6.24
CIE LCh	93, 9.499, 138.900
Yxy	82.9670, 0.3139, 0.3458
Android (android.graphics.Color)	4293062623 (0xFFE2EFDF)
YUV	233.2890, -5.0725, -6.3925
Hunter-Lab	91.0862, -11.8213, 10.6270

# Details

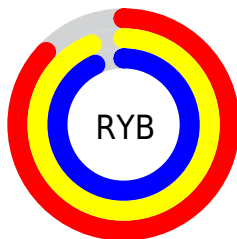
The CIELCh color **93, 9.499, 138.900** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90, 9.547, 319.460**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 9.336, 138.461** is the 20% darker color. If you saturate the color by 10%, you get **91, 23.797, 138.367**, and if you desaturate by 10%, it is **95, 4.655, 319.275**.

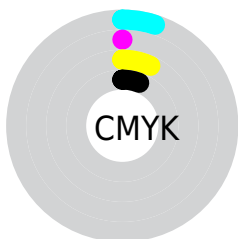
# Distribution



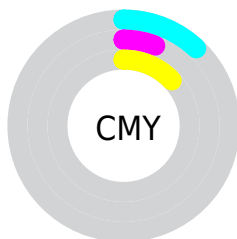
- Red (89%)
- Green (94%)
- Blue (87%)



- Red (87%)
- Yellow (94%)
- Blue (93%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)



- Cyan (12%)
- Magenta (6%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 9.499, 138.900 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, 9.499, 138.900 by changing the saturation by 10% instead.



93, 9.499, 138.900

93, 9.499, 138.900

100, 9.499,  
138.900

83, 9.499, 138.900

73, 9.499, 138.900

63, 9.499, 138.900

53, 9.499, 138.900

43, 9.499, 138.900

33, 9.499, 138.900

23, 9.499, 138.900

13, 9.499, 138.900

3, 9.499, 138.900

93, 9.499, 138.900

93, 9.499, 138.900

91, 23.797,  
138.367

95, 4.655, 319.275

89, 38.093,  
137.774

96, 10.179,  
324.765

88, 52.195,  
137.119


87, 65.837,  
136.421

86, 78.660,  
135.720

85, 90.190,  
135.094

84, 99.837,  
134.657

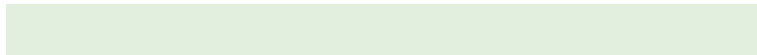
83, 106.989,  
134.542

 83, 111.288,  
134.827

# Harmonies

# Complementary

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



93, 9.499, 138.900



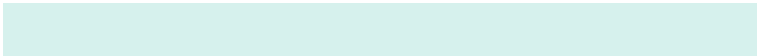
90, 9.547, 319.460

# Rectangle

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



93, 9.499, 138.900



93, 9.499, 188.900



93, 9.499, 318.900



93, 9.499, 8.900

# Sweetspot

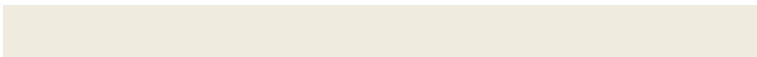
The Sweet Spot groups the original color and five complimentary colors.



93, 9.501, 138.902



100, 2.974, 139.182



93, 6.667, 99.617



53, 1.691, 139.191



0, 0.000, 0.000



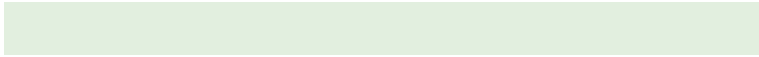
53, 0.007, 296.813





# Same Dimension

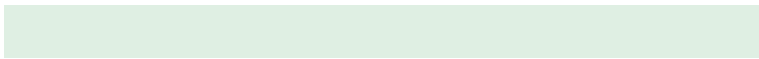
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 9.501, 138.902



98, 11.975, 138.833



93, 8.146, 153.868



49, 8.097, 138.757



65, 92.055, 134.793



20, 38.152, 134.850



# Inverse Universe

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



90, 9.547, 319.460



95, 12.035, 319.524



90, 8.184, 334.696



47, 8.140, 319.593



38, 91.851, 321.151

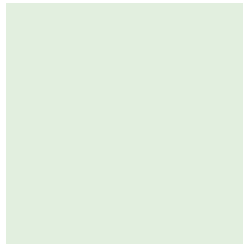


8, 39.945, 322.079



# Previews

## White Background



This preview shows how the CIELCh color 93, 9.499, 138.900 looks on a white background.

## Color Contrast Check

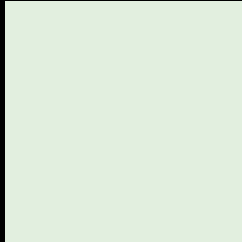
Large Text (above 18pt) WCAG AA × Fail

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 93, 9.499, 138.900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

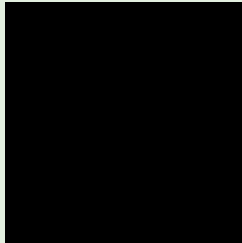
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

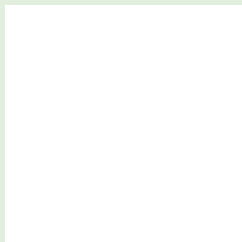
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 93, 9.499, 138.900

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 9.499, 138.900.

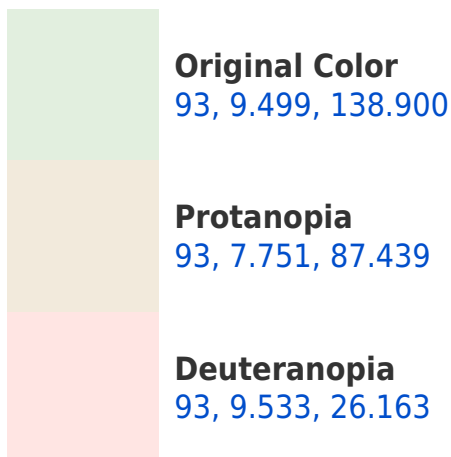


This preview shows how white text looks on a background with the CIELCh color 93, 9.499, 138.900.

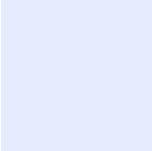
# Color Blindness Simulation

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

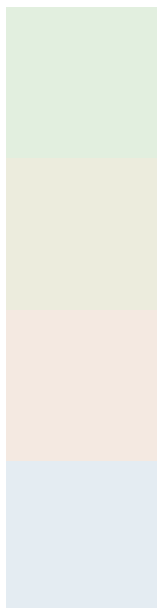






**Tritanopia**  
93, 9.883, 283.016

# Trichromacy



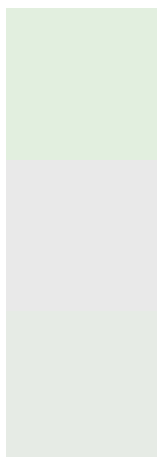
**Original Color**  
93, 9.499, 138.900

**Protanomaly**  
93, 7.705, 109.557

**Deuteranomaly**  
93, 5.713, 65.494

**Tritanomaly**  
93, 4.128, 248.096

# Monochromacy



**Original Color**  
93, 9.499, 138.900

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
93, 3.580, 139.751

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 9.499, 138.900 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(226, 239, 223)` looks like.

```
.text, #text, p{  
    color:rgb(226, 239, 223)  
}
```

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(226, 239, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 239, 223) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 9.499, 138.900 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(226, 239, 223) }
```

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

```
.border{ border-color:rgb(226, 239, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 239, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 239, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 239, 223);  
box-shadow:4px 4px 4px 4px rgb(226, 239,  
223) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 9.499, 138.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 239, 223) }
```

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

```
.background{ background-color: rgb(226,  
239, 223) }
```

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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