

# Converting Colors

CIELCh(93, 7.900, 167.500)

Have a look what the booklet for  
CIELCh(93, 7.900, 167.500) contains.

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# Color

**CIELCh(93, 7.907, 167.497)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCEFE7
RGB	220, 239, 231
RGB Percent	86%, 94%, 91%
CMY	0.1360, 0.0615, 0.0929
CMYK	0.08, 0.00, 0.03, 0.06
HSL	155°, 38%, 90%
HSV	155°, 8%, 94%
XYZ	75.0342, 82.9670, 87.8909
YIQ	232.4070, -8.7560, -6.5160

# Conversions

## Conversions Part 2

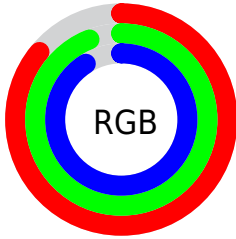
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 232, 239
Decimal	14479335
CIE Lab	93.00, -7.72, 1.71
CIE LCh	93, 7.907, 167.497
Yxy	82.9670, 0.3052, 0.3374
Android (android.graphics.Color)	4292669415 (0xFFDCEFE7)
YUV	232.4070, -0.6937, -10.8809
Hunter-Lab	91.0862, -12.3578, 6.5503

# Details

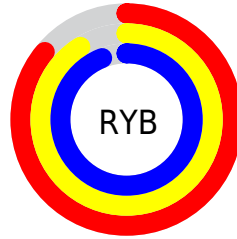
The CIELCh color **93, 7.907, 167.497** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90, 8.031, 348.778**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 8.003, 165.958** is the 20% darker color. If you saturate the color by 10%, you get **91, 17.811, 166.499**, and if you desaturate by 10%, it is **95, 2.057, 348.060**.

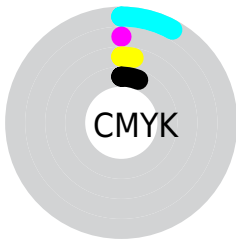
# Distribution



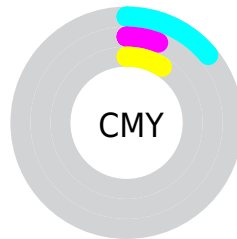
- Red (86%)
- Green (94%)
- Blue (91%)



- Red (86%)
- Yellow (91%)
- Blue (94%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)



- Cyan (14%)
- Magenta (6%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 7.907, 167.497 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, 7.907, 167.497 by changing the saturation by 10% instead.



93, 7.907, 167.497

93, 7.907, 167.497

100, 7.907,  
167.497

83, 7.907, 167.497

73, 7.907, 167.497

63, 7.907, 167.497

53, 7.907, 167.497

43, 7.907, 167.497

33, 7.907, 167.497

23, 7.907, 167.497

13, 7.907, 167.497

3, 7.907, 167.497

93, 7.907, 167.497

93, 7.907, 167.497

91, 17.811,  
166.499

95, 2.057, 348.060

90, 27.518,  
165.435

96, 8.356, 331.766

96, 9.777, 324.750

88, 36.878,  
164.259

87, 45.721,  
162.944

86, 53.880,  
161.463

85, 61.208,  
159.791

85, 67.605,  
157.909

84, 73.046,  
155.812

 84, 77.626,  
153.530

# Harmonies

# Complementary

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



93, 7.907, 167.497



90, 8.031, 348.778

# Rectangle

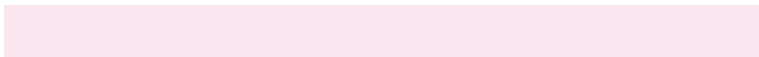
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



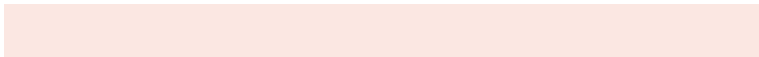
93, 7.907, 167.497



93, 7.907, 217.497



93, 7.907, 347.497



93, 7.907, 37.497

# Sweetspot

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



93, 7.909, 167.490



100, 2.092, 168.205



93, 10.542, 131.040



53, 1.189, 168.227



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, 7.909, 167.490



98, 10.481, 167.284



93, 6.171, 205.198



49, 5.664, 167.339



66, 63.854, 153.487



20, 26.027, 157.239



# Inverse Universe

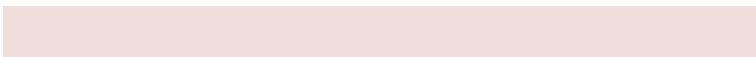
The Inverse Universe completely reimagines the original color for something new.



90, 8.031, 348.778



93, 10.677, 348.988



90, 6.496, 25.559



47, 5.765, 348.932



39, 66.067, 9.587

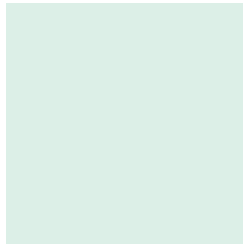


8, 28.914, 1.814



# Previews

## White Background



This preview shows how the CIELCh color 93, 7.907, 167.497 looks on a white background.

## Color Contrast Check

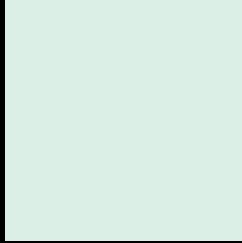
Large Text (above 18pt) WCAG AA × Fail

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, 7.907, 167.497 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

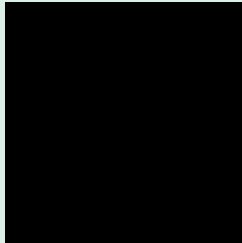
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

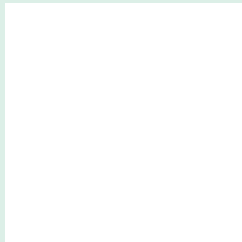
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 93, 7.907, 167.497

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 7.907, 167.497.

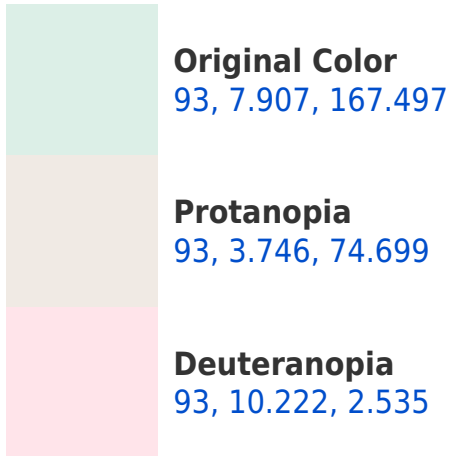


This preview shows how white text looks on a background with the CIELCh color 93, 7.907, 167.497.

# 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

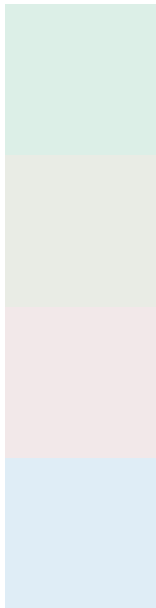






**Tritanopia**  
93, 10.527, 268.288

# Trichromacy



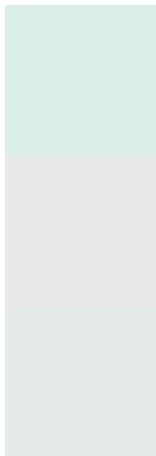
**Original Color**  
93, 7.907, 167.497

**Protanomaly**  
93, 3.762, 126.425

**Deuteranomaly**  
93, 3.620, 11.312

**Tritanomaly**  
93, 6.615, 243.944

# Monochromacy



**Original Color**  
93, 7.907, 167.497

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 2.934, 167.598

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 7.907, 167.497 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(220, 239, 231)` looks like.

```
.text, #text, p{  
    color:rgb(220, 239, 231)  
}
```

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(220, 239, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 239, 231) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 7.907, 167.497 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(220, 239, 231) }
```

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

```
.border{ border-color:rgb(220, 239, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 239, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 239, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 239, 231);  
box-shadow:4px 4px 4px 4px rgb(220, 239,  
231) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 7.907, 167.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 239, 231) }
```

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

```
.background{ background-color: rgb(220,  
239, 231) }
```

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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