

# Converting Colors

CIELCh(95, 7.262, 171.500)

Have a look what the booklet for  
CIELCh(95, 7.262, 171.500) contains.

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# Color

**CIELCh(95, 7.297, 169.514)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E3F5EE
RGB	227, 245, 238
RGB Percent	89%, 96%, 93%
CMY	0.1107, 0.0401, 0.0676
CMYK	0.07, 0.00, 0.03, 0.04
HSL	157°, 47%, 92%
HSV	157°, 7%, 96%
XYZ	79.5878, 87.6183, 93.4292
YIQ	238.8200, -8.4810, -5.9930

# Conversions

## Conversions Part 2

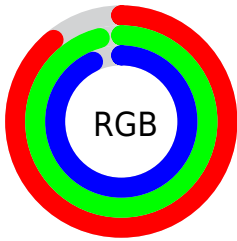
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 238, 245
Decimal	14939630
CIE Lab	95.00, -7.18, 1.33
CIE LCh	95, 7.297, 169.514
Yxy	87.6183, 0.3054, 0.3362
Android (android.graphics.Color)	4293129710 (0xFFE3F5EE)
YUV	238.8200, -0.4043, -10.3661
Hunter-Lab	93.6047, -12.0377, 6.3444

# Details

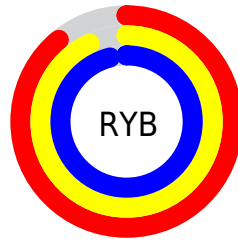
The CIELCh color **95, 7.297, 169.514** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 7.418, 350.697**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **75, 7.346, 167.962** is the 20% darker color. If you saturate the color by 10%, you get **93, 17.153, 168.500**, and if you desaturate by 10%, it is **97, 2.637, 350.126**.

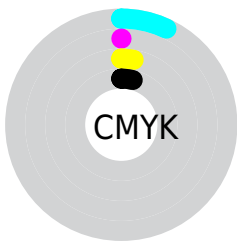
# Distribution



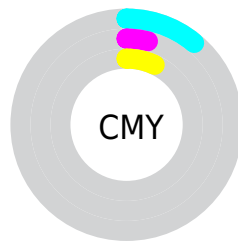
- Red (89%)
- Green (96%)
- Blue (93%)



- Red (89%)
- Yellow (93%)
- Blue (96%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)



- Cyan (11%)
- Magenta (4%)
- Yellow (7%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 7.297, 169.514 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 95, 7.297, 169.514 by changing the saturation by 10% instead.



 95, 7.297, 169.514

 95, 7.297, 169.514

 100, 7.297,  
169.514

 85, 7.297, 169.514

 75, 7.297, 169.514

 65, 7.297, 169.514

 55, 7.297, 169.514

 45, 7.297, 169.514

 35, 7.297, 169.514

 25, 7.297, 169.514

 15, 7.297, 169.514

 5, 7.297, 169.514

95, 7.297, 169.514

95, 7.297, 169.514

93, 17.153,  
168.500

97, 2.637, 350.126

97, 6.368, 324.615

92, 26.792,  
167.431

90, 36.062,  
166.256


89, 44.796,  
164.949

88, 52.826,  
163.483

87, 60.007,  
161.832

86, 66.240,  
159.975

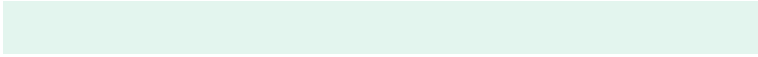
86, 71.503,  
157.903

 86, 75.882,  
155.636

# Harmonies

# Complementary

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



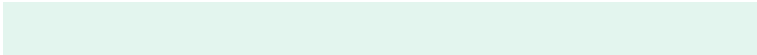
95, 7.297, 169.514



92, 7.418, 350.697

# Rectangle

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



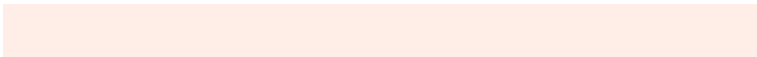
95, 7.297, 169.514



95, 7.297, 219.514



95, 7.297, 349.514



95, 7.297, 39.514

# Sweetspot

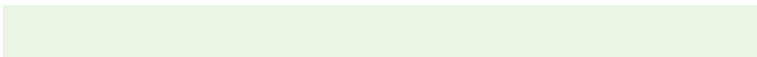
The Sweet Spot groups the original color and five complimentary colors.



95, 7.299, 169.506



100, 2.049, 170.180



95, 10.023, 132.191



53, 1.165, 170.202



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

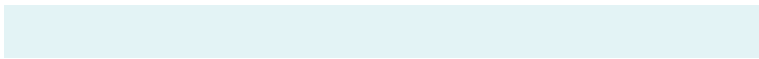
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 7.299, 169.506



98, 9.231, 169.338



95, 5.658, 208.585



50, 5.638, 169.291



67, 62.182, 155.463



21, 25.986, 158.986



# Inverse Universe

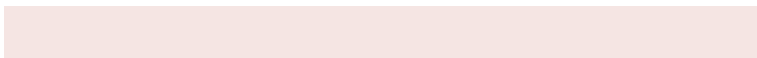
The Inverse Universe completely reimagines the original color for something new.



92, 7.418, 350.697



94, 9.409, 350.870



92, 5.933, 28.684



48, 5.753, 350.918



39, 67.095, 12.766

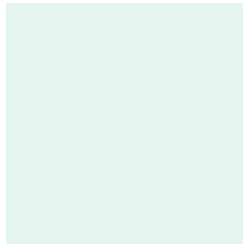


9, 29.643, 4.865



# Previews

## White Background



This preview shows how the CIE LCh color 95, 7.297, 169.514 looks on a white background.

## Color Contrast Check

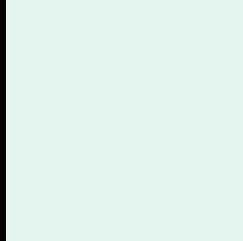
Large Text (above 18pt) WCAG AA × Fail

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 95, 7.297, 169.514 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

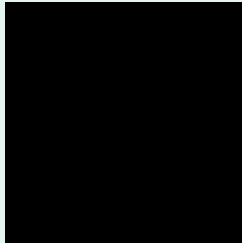
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

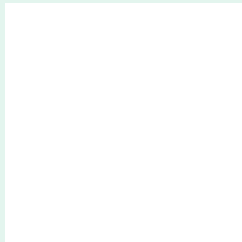
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 95, 7.297, 169.514

## Background



This preview shows how black text looks on a background with the CIELCh color 95, 7.297, 169.514.

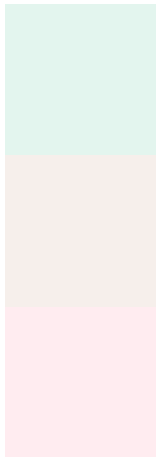


This preview shows how white text looks on a background with the CIELCh color 95, 7.297, 169.514.

# 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

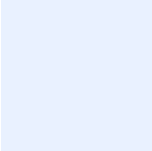


**Original Color**  
95, 7.297, 169.514

**Protanopia**  
95, 3.216, 58.875

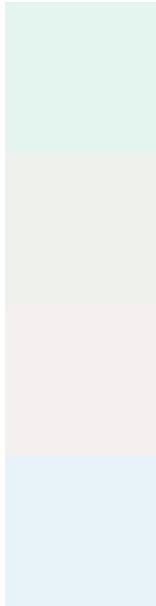
**Deuteranopia**  
95, 7.104, 3.065





**Tritanopia**  
95, 7.647, 269.812

# Trichromacy



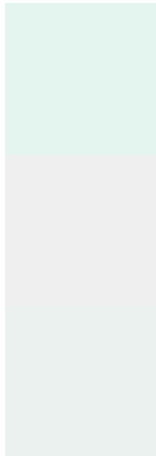
**Original Color**  
95, 7.297, 169.514

**Protanomaly**  
95, 2.658, 125.437

**Deuteranomaly**  
95, 2.131, 19.252

**Tritanomaly**  
95, 5.177, 243.419

# Monochromacy



**Original Color**  
95, 7.297, 169.514

**Achromatopsia**  
94, 0.011, 296.813

**Achromatomaly**  
95, 2.356, 173.694

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 7.297, 169.514 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(227, 245, 238)` looks like.

```
.text, #text, p{  
    color:rgb(227, 245, 238)  
}
```

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(227, 245, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 245, 238) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 7.297, 169.514 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(227, 245, 238) }
```

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

```
.border{ border-color:rgb(227, 245, 238) }
```

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

Here you see how a box with a 4 pixel rgb(227, 245, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 245, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 245, 238);  
box-shadow:4px 4px 4px 4px rgb(227, 245,  
238) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 7.297, 169.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 245, 238) }
```

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

```
.background{ background-color: rgb(227,  
245, 238) }
```

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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