

# Converting Colors

CIELCh(93, 4.765, 203.691)

Have a look what the booklet for  
CIELCh(93, 4.765, 203.691) contains.

<b>CIELCh(93, 4.882, 199.208)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(93, 4.882, 199.208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0EEEE
RGB	224, 238, 238
RGB Percent	88%, 93%, 93%
CMY	0.1225, 0.0676, 0.0677
CMYK	0.06, 0.00, 0.00, 0.07
HSL	180°, 29%, 90%
HSV	180°, 6%, 93%
XYZ	76.5590, 82.9670, 92.6731
YIQ	233.8140, -8.3440, -2.9680

# Conversions

## Conversions Part 2

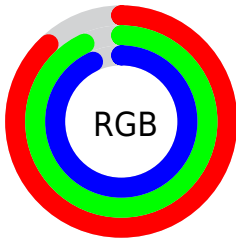
Format	Color
R <sub>Y</sub> B	224, 231, 238
Decimal	14741230
CIE Lab	93.00, -4.61, -1.61
CIE LCh	93, 4.882, 199.208
Yxy	82.9670, 0.3036, 0.3290
Android (android.graphics.Color)	4292931310 (0xFFE0EEEE)
YUV	233.8140, 2.0637, -8.6069
Hunter-Lab	91.0862, -9.3697, 3.4375

# Details

The CIELCh color **93, 4.882, 199.208** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90, 5.068, 19.623**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 4.754, 199.126** is the 20% darker color. If you saturate the color by 10%, you get **91, 12.830, 198.580**, and if you desaturate by 10%, it is **95, 3.485, 19.438**.

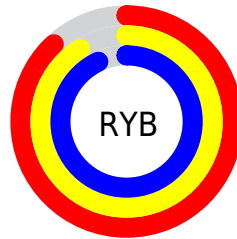
# Distribution



Red (88%)

Green (93%)

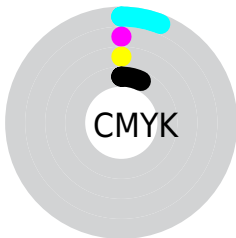
Blue (93%)



Red (88%)

Yellow (91%)

Blue (93%)

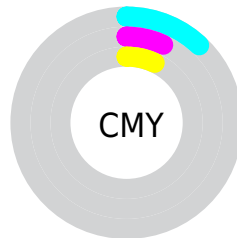


Cyan (6%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (12%)

Magenta (7%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 4.882, 199.208 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, 4.882, 199.208 by changing the saturation by 10% instead.



93, 4.882, 199.208

93, 4.882, 199.208

100, 4.882,  
199.208

83, 4.882, 199.208

73, 4.882, 199.208

63, 4.882, 199.208

53, 4.882, 199.208

43, 4.882, 199.208

33, 4.882, 199.208

23, 4.882, 199.208

13, 4.882, 199.208

3, 4.882, 199.208

93, 4.882, 199.208

93, 4.882, 199.208

91, 12.830,  
198.580

95, 3.485, 19.438

90, 20.226,  
198.080

95, 6.183, 19.680

89, 26.933,  
197.642

95, 6.183, 19.650

88, 32.817,  
197.266

95, 6.183, 19.591

87, 37.762,  
196.955

95, 6.183, 19.561

86, 41.686,  
196.711

95, 6.182, 19.502

86, 44.555,  
196.533

95, 6.182, 19.472

86, 46.397,  
196.419

■ 86, 47.319,  
196.360

# Harmonies

# Complementary

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



93, 4.882, 199.208



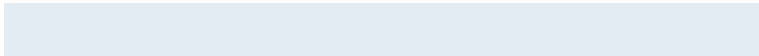
90, 5.068, 19.623

# Rectangle

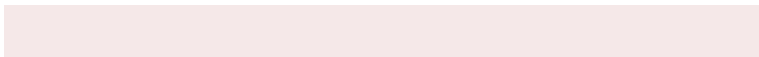
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



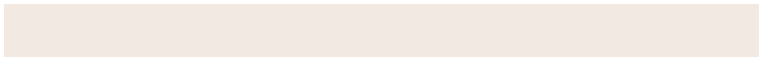
93, 4.882, 199.208



93, 4.882, 249.208



93, 4.882, 19.208



93, 4.882, 69.208

# Sweetspot

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



93, 4.883, 199.185



100, 1.770, 199.645



93, 8.776, 143.701



53, 1.006, 199.670



0, 0.000, 0.000



53, 0.007, 296.813



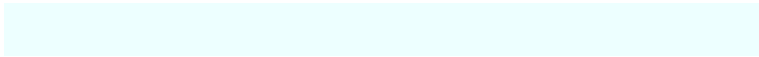


# Same Dimension

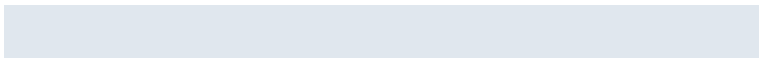
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 4.883, 199.185



99, 6.127, 199.103



91, 4.286, 254.428



50, 3.779, 199.065



68, 39.164, 196.346



21, 17.096, 196.352

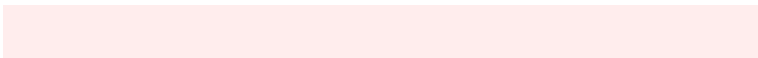


# Inverse Universe

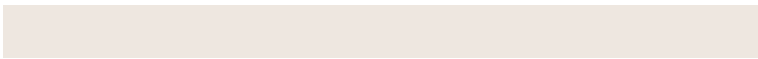
The Inverse Universe completely reimagines the original color for something new.



90, 5.068, 19.623



95, 6.404, 19.719



92, 4.342, 72.788



47, 3.964, 19.765



38, 81.691, 39.984

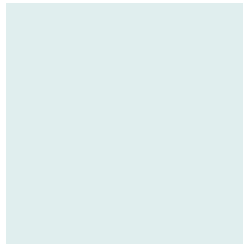


8, 29.835, 23.796



# Previews

## White Background



This preview shows how the CIELCh color 93, 4.882, 199.208 looks on a white background.

## Color Contrast Check

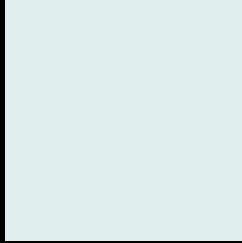
Large Text (above 18pt) WCAG AA × Fail

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, 4.882, 199.208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

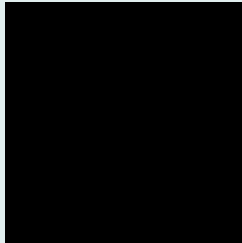
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

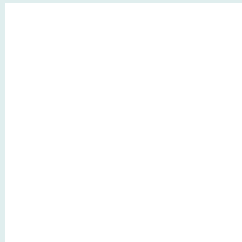
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 93, 4.882, 199.208

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 4.882, 199.208.



This preview shows how white text looks on a background with the CIELCh color 93, 4.882, 199.208.

# 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

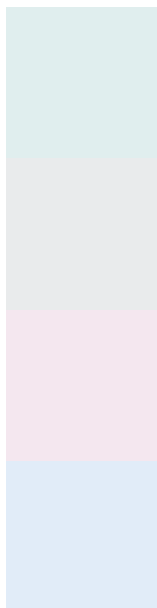






**Tritanopia**  
93, 10.213, 273.555

# Trichromacy



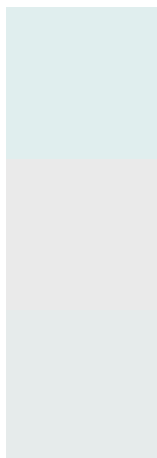
**Original Color**  
93, 4.882, 199.208

**Protanomaly**  
93, 0.873, 236.430

**Deuteranomaly**  
93, 6.225, 338.248

**Tritanomaly**  
93, 7.187, 259.026

# Monochromacy



**Original Color**  
93, 4.882, 199.208

**Achromatopsia**  
93, 0.011, 296.813

**Achromatomaly**  
93, 1.762, 199.640

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 4.882, 199.208 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(224, 238, 238)` looks like.

```
.text, #text, p{  
    color:rgb(224, 238, 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(224, 238, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 238, 238) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 4.882, 199.208 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(224, 238, 238) }
```

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

```
.border{ border-color:rgb(224, 238, 238) }
```

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

Here you see how a box with a 4 pixel rgb(224, 238, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 238, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 238, 238);  
box-shadow:4px 4px 4px 4px rgb(224, 238,  
238) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 4.882, 199.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 238, 238) }
```

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

```
.background{ background-color: rgb(224,  
238, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor