

# Converting Colors

CIELCh(93, 6.236, 199.074)

Have a look what the booklet for  
CIELCh(93, 6.236, 199.074) contains.

<b>CIELCh(93, 6.247, 199.091)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(93, 6.247, 199.091)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDEFEF
RGB	221, 239, 239
RGB Percent	87%, 94%, 94%
CMY	0.1351, 0.0645, 0.0646
CMYK	0.08, 0.00, 0.00, 0.06
HSL	180°, 35%, 90%
HSV	180°, 8%, 94%
XYZ	75.9223, 82.9670, 93.3156
YIQ	233.6180, -10.7280, -3.8160

# Conversions

## Conversions Part 2

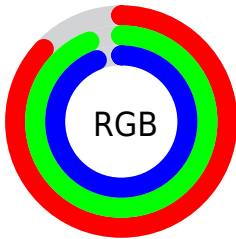
Format	Color
R <sub>Y</sub> B	221, 230, 239
Decimal	14544879
CIE Lab	93.00, -5.90, -2.04
CIE LCh	93, 6.247, 199.091
Yxy	82.9670, 0.3010, 0.3290
Android (android.graphics.Color)	4292734959 (0xFFDDEFEF)
YUV	233.6180, 2.6533, -11.0660
Hunter-Lab	91.0862, -10.6174, 3.0192

# Details

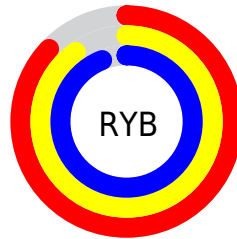
The CIELCh color **93, 6.247, 199.091** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89, 6.553, 19.768**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 6.178, 198.988** is the 20% darker color. If you saturate the color by 10%, you get **91, 14.134, 198.498**, and if you desaturate by 10%, it is **95, 2.081, 19.226**.

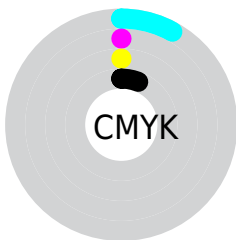
# Distribution



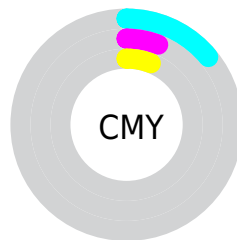
- Red (87%)
- Green (94%)
- Blue (94%)



- Red (87%)
- Yellow (90%)
- Blue (94%)



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



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

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 6.247, 199.091 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, 6.247, 199.091 by changing the saturation by 10% instead.



93, 6.247, 199.091

93, 6.247, 199.091

100, 6.247,  
199.091

83, 6.247, 199.091

73, 6.247, 199.091

63, 6.247, 199.091

53, 6.247, 199.091

43, 6.247, 199.091

33, 6.247, 199.091

23, 6.247, 199.091

13, 6.247, 199.091

3, 6.247, 199.091

93, 6.247, 199.091

93, 6.247, 199.091

91, 14.134,  
198.498

95, 2.081, 19.226

90, 21.445,  
198.010

96, 5.892, 19.667

96, 5.892, 19.644

89, 28.041,  
197.582

96, 5.892, 19.621

88, 33.792,  
197.217

96, 5.892, 19.598

96, 5.892, 19.575

87, 38.584,  
196.917

96, 5.892, 19.552


87, 42.343,  
196.685

96, 5.892, 19.530

96, 5.892, 19.507

86, 45.043,  
196.519

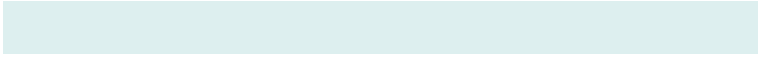
86, 46.726,  
196.415

 86, 47.524,  
196.365

# Harmonies

# Complementary

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



93, 6.247, 199.091



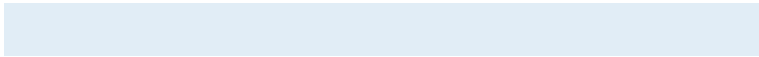
89, 6.553, 19.768

# Rectangle

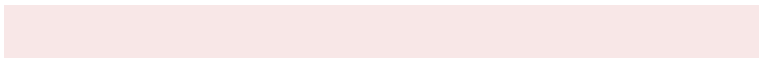
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



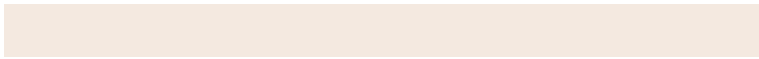
93, 6.247, 199.091



93, 6.247, 249.091



93, 6.247, 19.091



93, 6.247, 69.091

# Sweetspot

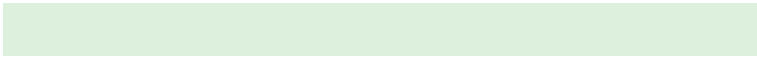
The Sweet Spot groups the original color and five complimentary colors.



93, 6.248, 199.074



100, 1.770, 199.651



93, 11.290, 143.595



53, 1.006, 199.676



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, 6.248, 199.074



98, 7.839, 198.977



91, 5.499, 254.627



49, 4.701, 198.950



68, 39.162, 196.357



21, 17.096, 196.361

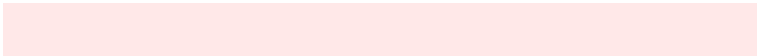


# Inverse Universe

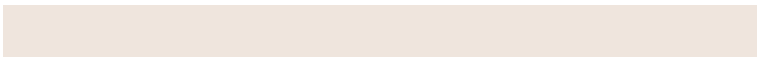
The Inverse Universe completely reimagines the original color for something new.



89, 6.553, 19.768



94, 8.300, 19.887



92, 5.602, 72.610



47, 4.993, 19.923



38, 81.694, 39.987

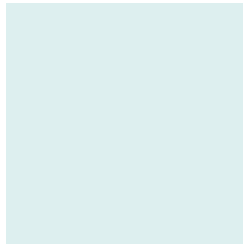


8, 29.835, 23.799



# Previews

## White Background



This preview shows how the CIE LCh color 93, 6.247, 199.091 looks on a white background.

## Color Contrast Check

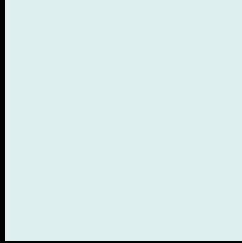
Large Text (above 18pt) WCAG AA × Fail

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, 6.247, 199.091 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

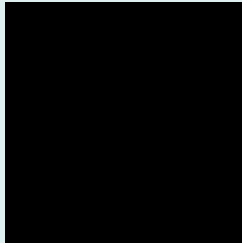
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

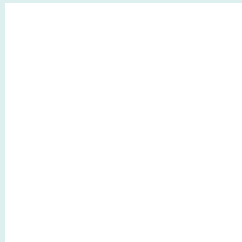
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 93, 6.247, 199.091

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 6.247, 199.091.

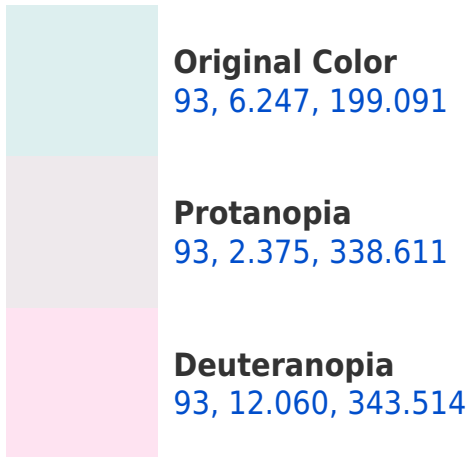


This preview shows how white text looks on a background with the CIELCh color 93, 6.247, 199.091.

# 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

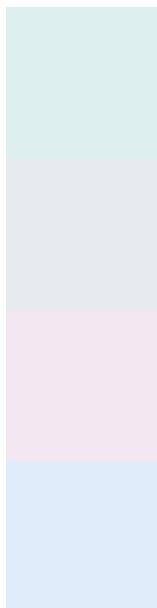






**Tritanopia**  
93, 10.652, 266.616

# Trichromacy



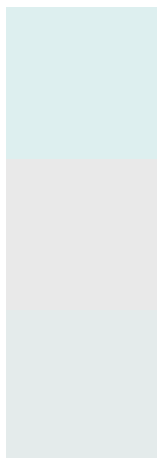
**Original Color**  
93, 6.247, 199.091

**Protanomaly**  
93, 1.471, 244.456

**Deuteranomaly**  
93, 6.099, 330.122

**Tritanomaly**  
93, 7.946, 250.583

# Monochromacy



**Original Color**  
93, 6.247, 199.091

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
93, 2.463, 199.492

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 6.247, 199.091 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(221, 239, 239)` looks like.

```
.text, #text, p{  
    color:rgb(221, 239, 239)  
}
```

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(221, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 239, 239) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 6.247, 199.091 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(221, 239, 239) }
```

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

```
.border{ border-color:rgb(221, 239, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 239, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 239, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 239, 239);  
box-shadow:4px 4px 4px 4px rgb(221, 239,  
239) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 6.247, 199.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 239, 239) }
```

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

```
.background{ background-color: rgb(221,  
239, 239) }
```

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