

# Converting Colors

CIELCh(94, 8.510, 197.965)

Have a look what the booklet for  
CIELCh(94, 8.510, 197.965) contains.

<b>CIELCh(94, 8.630, 195.482)</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(94, 8.630, 195.482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAF3F2
RGB	218, 243, 242
RGB Percent	85%, 95%, 95%
CMY	0.1458, 0.0477, 0.0517
CMYK	0.10, 0.00, 0.00, 0.05
HSL	178°, 51%, 90%
HSV	178°, 10%, 95%
XYZ	76.8574, 85.2715, 96.2707
YIQ	235.4110, -14.5790, -5.6110

# Conversions

## Conversions Part 2

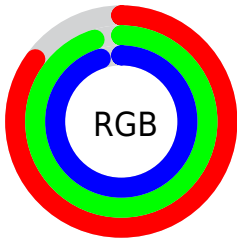
Format	Color
R <sub>Y</sub> B	218, 231, 243
Decimal	14349298
CIE Lab	94.00, -8.32, -2.30
CIE LCh	94, 8.630, 195.482
Yxy	85.2715, 0.2974, 0.3300
Android (android.graphics.Color)	4292539378 (0xFFDAF3F2)
YUV	235.4110, 3.2484, -15.2694
Hunter-Lab	92.3426, -13.0327, 2.8277

# Details

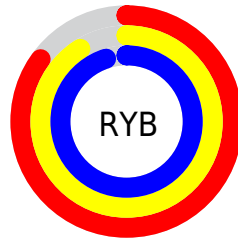
The CIELCh color `94, 8.630, 195.482` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `89, 9.172, 16.764`, and the grayscale version is `93, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `74, 8.656, 195.176` is the 20% darker color. If you saturate the color by 10%, you get `92, 16.565, 194.802`, and if you desaturate by 10%, it is `96, 0.251, 198.571`.

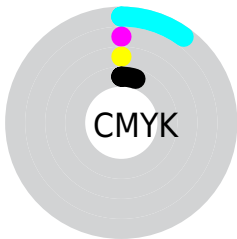
# Distribution



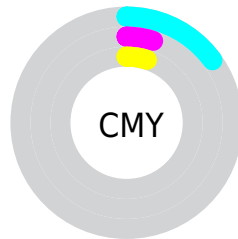
- Red (85%)
- Green (95%)
- Blue (95%)



- Red (85%)
- Yellow (91%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (5%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 8.630, 195.482 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 94, 8.630, 195.482 by changing the saturation by 10% instead.



 94, 8.630, 195.482

 94, 8.630, 195.482

 100, 8.630,  
195.482

 84, 8.630, 195.482

 74, 8.630, 195.482

 64, 8.630, 195.482

 54, 8.630, 195.482

 44, 8.630, 195.482

 34, 8.630, 195.482

 24, 8.630, 195.482

 14, 8.630, 195.482

 4, 8.630, 195.482

94, 8.630, 195.482

94, 8.630, 195.482

92, 16.565,  
194.802

96, 0.251, 198.571

91, 23.914,  
194.178

97, 4.356, 13.193

90, 30.534,  
193.583

97, 4.438, 6.807

89, 36.290,  
193.013

97, 4.573, 0.727

88, 41.069,  
192.464

97, 4.758, 355.060

88, 44.796,  
191.928

97, 4.985, 349.865

87, 47.454,  
191.396

97, 5.251, 345.163

87, 49.097,  
190.855

97, 5.549, 340.943

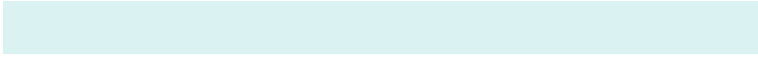
97, 5.874, 337.175

■ 87, 49.920,  
190.314

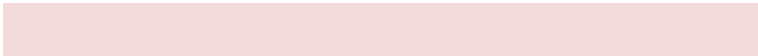
# Harmonies

# Complementary

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



94, 8.630, 195.482



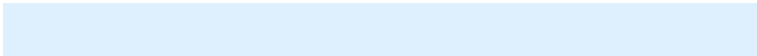
89, 9.172, 16.764

# Rectangle

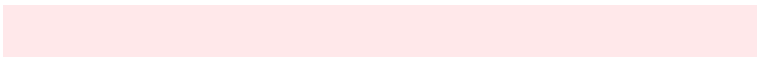
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



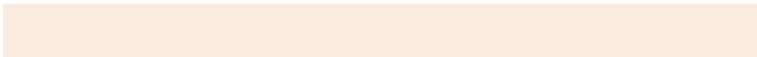
94, 8.630, 195.482



94, 8.630, 245.482



94, 8.630, 15.482



94, 8.630, 65.482

# Sweetspot

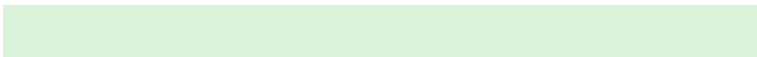
The Sweet Spot groups the original color and five complimentary colors.



94, 8.631, 195.470



99, 2.658, 196.117



94, 15.492, 142.543



53, 2.012, 196.012



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



94, 8.631, 195.470



98, 10.424, 195.348



91, 7.422, 251.163



50, 4.805, 195.528



68, 40.869, 190.410



22, 18.085, 191.178

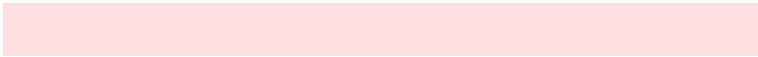


# Inverse Universe

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



89, 9.172, 16.764



92, 11.196, 16.920



92, 7.672, 68.576



48, 5.081, 16.692



39, 80.806, 38.413

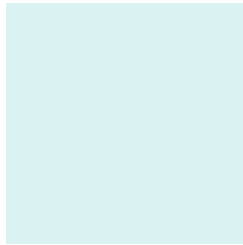


8, 30.771, 23.402



# Previews

## White Background



This preview shows how the CIELCh color 94, 8.630, 195.482 looks on a white background.

## Color Contrast Check

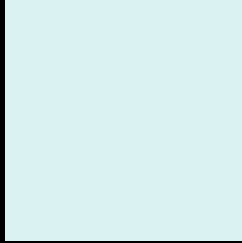
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 94, 8.630, 195.482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

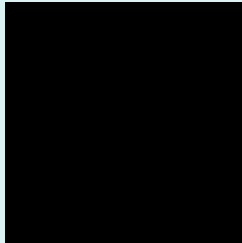
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

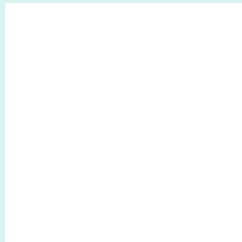
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 94, 8.630, 195.482

## Background



This preview shows how black text looks on a background with the CIELCh color 94, 8.630, 195.482.

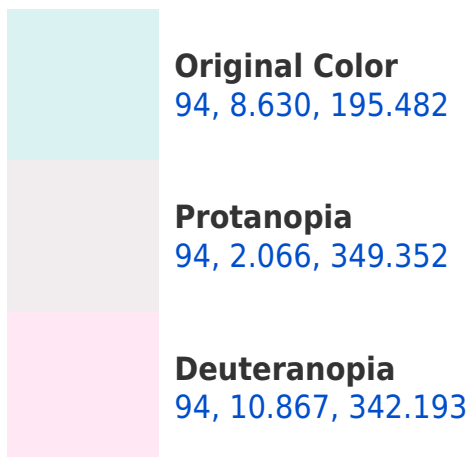


This preview shows how white text looks on a background with the CIELCh color 94, 8.630, 195.482.

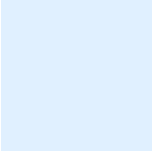
# Color Blindness Simulation

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

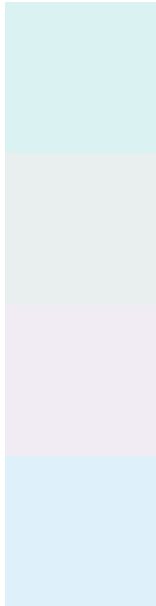






**Tritanopia**  
94, 9.327, 255.313

# Trichromacy



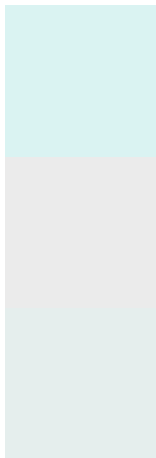
**Original Color**  
94, 8.630, 195.482

**Protanomaly**  
94, 1.824, 216.050

**Deuteranomaly**  
94, 4.662, 317.387

**Tritanomaly**  
94, 7.874, 235.263

# Monochromacy



**Original Color**  
94, 8.630, 195.482

**Achromatopsia**  
93, 0.011, 296.813

**Achromatomaly**  
93, 3.207, 190.138

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 8.630, 195.482 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(218, 243, 242)` looks like.

```
.text, #text, p{  
    color:rgb(218, 243, 242)  
}
```

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(218, 243, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 243, 242) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 8.630, 195.482 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(218, 243, 242) }
```

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

```
.border{ border-color:rgb(218, 243, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 243, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 243, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 243, 242);  
box-shadow:4px 4px 4px 4px rgb(218, 243,  
242) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 8.630, 195.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 243, 242) }
```

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

```
.background{ background-color: rgb(218,  
243, 242) }
```

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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