

# Converting Colors

CIE LCh(94, 8.220, 198.941)

Have a look what the booklet for  
CIELCh(94, 8.220, 198.941) contains.

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# Color

**CIELCh(94, 8.254, 198.942)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBF3F3
RGB	219, 243, 243
RGB Percent	86%, 95%, 95%
CMY	0.1429, 0.0488, 0.0488
CMYK	0.10, 0.00, 0.00, 0.05
HSL	180°, 49%, 90%
HSV	180°, 10%, 95%
XYZ	77.1101, 85.2715, 96.8371
YIQ	235.8240, -14.3040, -5.0880

# Conversions

## Conversions Part 2

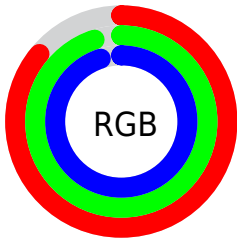
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 231, 243
Decimal	14414835
CIE Lab	94.00, -7.81, -2.68
CIE LCh	94, 8.254, 198.942
Yxy	85.2715, 0.2975, 0.3290
Android (android.graphics.Color)	4292604915 (0xFFDBF3F3)
YUV	235.8240, 3.5378, -14.7546
Hunter-Lab	92.3426, -12.5443, 2.4640

# Details

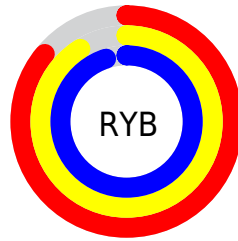
The CIELCh color `94, 8.254, 198.942` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `89, 8.791, 19.961`, and the grayscale version is `93, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `74, 8.260, 198.811` is the 20% darker color. If you saturate the color by 10%, you get `92, 16.123, 198.382`, and if you desaturate by 10%, it is `96, 0.094, 12.594`.

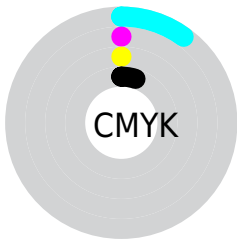
# Distribution



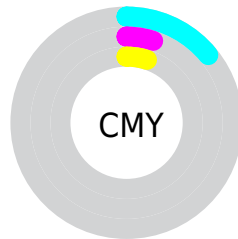
- Red (86%)
- Green (95%)
- Blue (95%)



- Red (86%)
- Yellow (91%)
- Blue (95%)



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



- Cyan (14%)
- Magenta (5%)
- Yellow (5%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 8.254, 198.942 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, 8.254, 198.942 by changing the saturation by 10% instead.



 94, 8.254, 198.942

 94, 8.254, 198.942

 100, 8.254,  
198.942

 84, 8.254, 198.942

 74, 8.254, 198.942

 64, 8.254, 198.942

 54, 8.254, 198.942

 44, 8.254, 198.942

 34, 8.254, 198.942

 24, 8.254, 198.942

 14, 8.254, 198.942

 4, 8.254, 198.942

94, 8.254, 198.942

94, 8.254, 198.942

92, 16.123,  
198.382

96, 0.094, 12.594

91, 23.374,  
197.908

97, 4.426, 19.533

90, 29.868,  
197.495

97, 4.426, 19.512

89, 35.474,  
197.145

97, 4.426, 19.468

88, 40.086,  
196.862

97, 4.426, 19.447

88, 43.637,  
196.646

97, 4.426, 19.403

87, 46.118,  
196.496

97, 4.426, 19.382

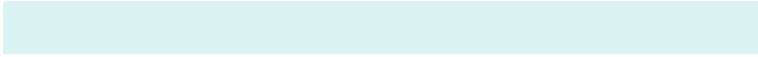
87, 47.589,  
196.407

 87, 48.252,  
196.366

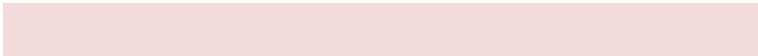
# Harmonies

# Complementary

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



94, 8.254, 198.942



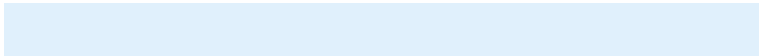
89, 8.791, 19.961

# Rectangle

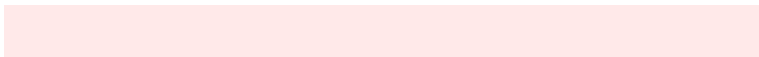
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



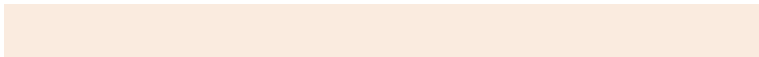
94, 8.254, 198.942



94, 8.254, 248.942



94, 8.254, 18.942



94, 8.254, 68.942

# Sweetspot

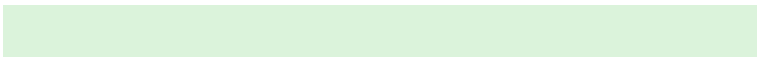
The Sweet Spot groups the original color and five complimentary colors.



94, 8.255, 198.929



99, 2.650, 199.476



93, 15.031, 143.443



53, 2.005, 199.379



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, 8.255, 198.929



98, 10.369, 198.803



91, 7.296, 254.934



50, 4.783, 198.954



69, 39.564, 196.366



22, 17.591, 196.368



# Inverse Universe

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



89, 8.791, 19.961



92, 11.200, 20.134



92, 7.490, 72.343



48, 5.080, 19.929



39, 82.544, 39.994

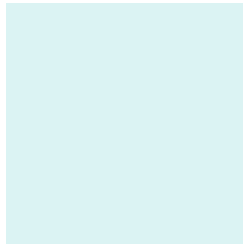


8, 31.024, 25.002



# Previews

## White Background



This preview shows how the CIE LCh color 94, 8.254, 198.942 looks on a white background.

## Color Contrast Check

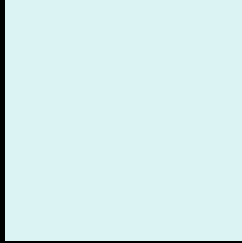
Large Text (above 18pt) WCAG AA × Fail

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, 8.254, 198.942 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

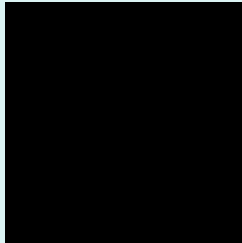
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

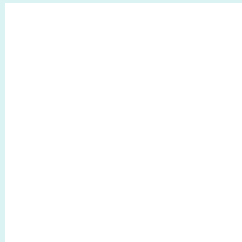
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 94, 8.254, 198.942

## Background



This preview shows how black text looks on a background with the CIELCh color 94, 8.254, 198.942.

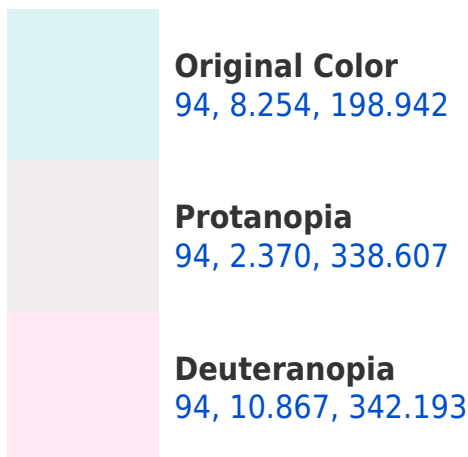


This preview shows how white text looks on a background with the CIELCh color 94, 8.254, 198.942.

# 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

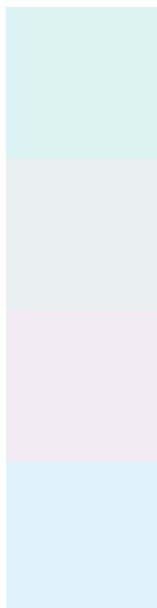






**Tritanopia**  
94, 9.145, 257.045

# Trichromacy



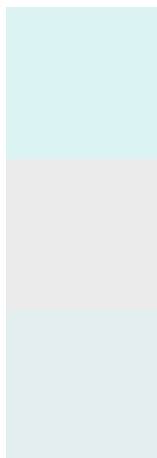
**Original Color**  
94, 8.254, 198.942

**Protanomaly**  
94, 2.023, 230.263

**Deuteranomaly**  
94, 4.835, 321.107

**Tritanomaly**  
94, 7.608, 236.756

# Monochromacy



**Original Color**  
94, 8.254, 198.942

**Achromatopsia**  
93, 0.011, 296.813

**Achromatomaly**  
93, 3.153, 199.394

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 8.254, 198.942 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(219, 243, 243)` looks like.

```
.text, #text, p{  
    color:rgb(219, 243, 243)  
}
```

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(219, 243, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 243, 243) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 8.254, 198.942 is called "border". The border property can be set on classes, ids or directly on the HTML element.

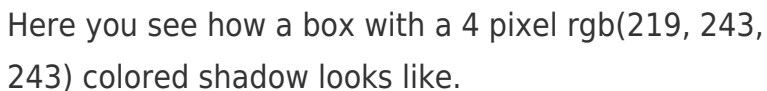
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 243, 243) }
```

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

```
.border{ border-color:rgb(219, 243, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(219, 243, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 243, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 243, 243); box-shadow:4px 4px 4px 4px rgb(219, 243, 243) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 8.254, 198.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 243, 243) }
```

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

```
.background{ background-color: rgb(219,  
243, 243) }
```

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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