

# Converting Colors

CIELCh(94, 12.896, 272.352)

Have a look what the booklet for  
CIELCh(94, 12.896, 272.352)  
contains.

<b>CIELCh(94, 9.577, 265.741)</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, 9.577, 265.741)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3EFFF
RGB	227, 239, 255
RGB Percent	89%, 94%, 100%
CMY	0.1102, 0.0631, 0.0000
CMYK	0.11, 0.06, 0.00, 0.00
HSL	214°, 100%, 94%
HSV	214°, 11%, 100%
XYZ	80.6839, 85.2715, 107.5909
YIQ	237.2360, -12.2880, 2.4320

# Conversions

## Conversions Part 2

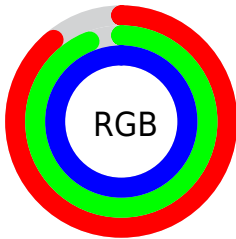
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 235, 255
Decimal	14938111
CIE Lab	94.00, -0.71, -9.55
CIE LCh	94, 9.577, 265.741
Yxy	85.2715, 0.2950, 0.3117
Android (android.graphics.Color)	4293128191 (0xFFE3EFFF)
YUV	237.2360, 8.7577, -8.9770
Hunter-Lab	92.3426, -5.6361, -4.4406

# Details

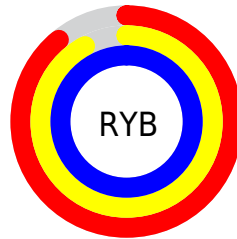
The CIELCh color `94, 9.577, 265.741` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `96, 9.287, 81.401`, and the grayscale version is `94, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `74, 8.923, 265.098` is the 20% darker color. If you saturate the color by 10%, you get `89, 17.473, 266.003`, and if you desaturate by 10%, it is `99, 0.854, 263.414`.

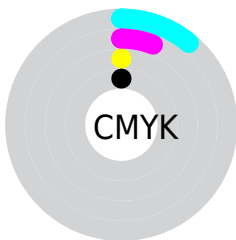
# Distribution



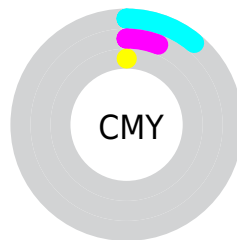
- Red (89%)
- Green (94%)
- Blue (100%)



- Red (89%)
- Yellow (92%)
- Blue (100%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 9.577, 265.741 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, 9.577, 265.741 by changing the saturation by 10% instead.



94, 9.577, 265.741

94, 9.577, 265.741

100, 9.577,  
265.741

84, 9.577, 265.741

74, 9.577, 265.741

64, 9.577, 265.741

54, 9.577, 265.741

44, 9.577, 265.741

34, 9.577, 265.741

24, 9.577, 265.741

14, 9.577, 265.741

4, 9.577, 265.741

94, 9.577, 265.741

94, 9.577, 265.741

89, 17.473,  
266.003

99, 0.854, 263.414

83, 25.799,  
267.910

100, 0.012,  
296.813

78, 34.122,  
270.165

73, 42.451,  
272.819

67, 50.815,  
275.912

62, 59.270,  
279.447

58, 67.892,  
283.371

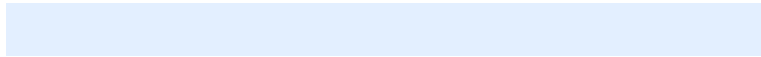
53, 76.743,  
287.542

■ 50, 84.888,  
291.259

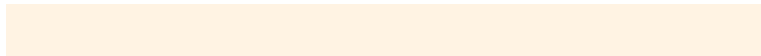
# Harmonies

# Complementary

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



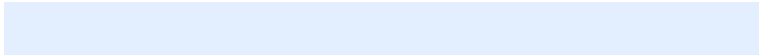
94, 9.577, 265.741



96, 9.287, 81.401

# Rectangle

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



94, 9.577, 265.741



94, 9.577, 315.741



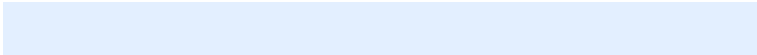
94, 9.577, 85.741



94, 9.577, 135.741

# Sweetspot

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



94, 9.153, 264.399



98, 2.495, 263.383



98, 11.645, 166.468



52, 1.890, 263.457



0, 0.000, 0.000



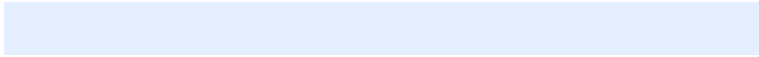
53, 0.007, 296.813



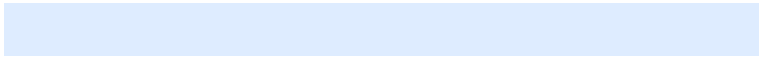


# Same Dimension

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



94, 9.153, 264.399



93, 10.800, 264.694



91, 14.610, 293.835



50, 4.722, 264.182



37, 67.127, 290.508



10, 27.028, 284.555



# Inverse Universe

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



93, 11.828, 348.715



91, 13.994, 348.915



99, 14.241, 111.843



50, 6.090, 348.563



41, 68.075, 9.140

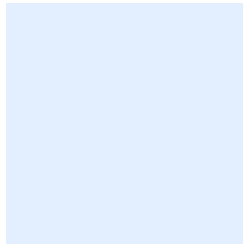


10, 31.379, 2.472



# Previews

## White Background



This preview shows how the CIELCh color 94, 9.577, 265.741 looks on a white background.

## Color Contrast Check

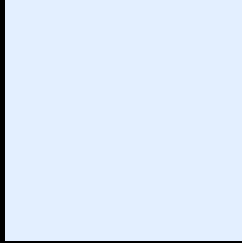
Large Text (above 18pt) WCAG AA × Fail

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, 9.577, 265.741 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

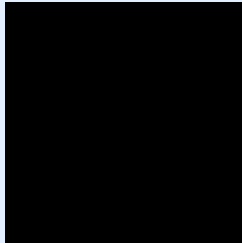
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

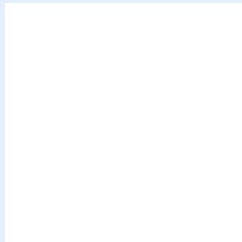
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 94, 9.577, 265.741

## Background



This preview shows how black text looks on a background with the CIELCh color 94, 9.577, 265.741.



This preview shows how white text looks on a background with the CIELCh color 94, 9.577, 265.741.

# 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

94, 9.111, 264.281

### Protanopia

94, 8.777, 293.114

### Deuteranopia

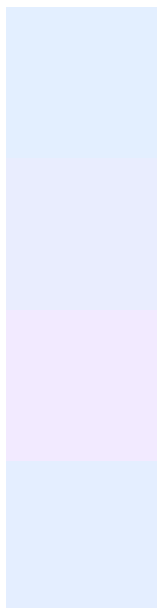
94, 14.260, 320.211





**Tritanopia**  
94, 9.217, 271.480

# Trichromacy



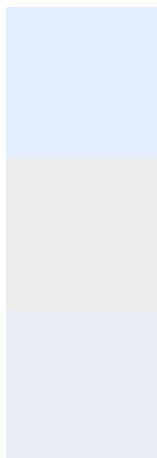
**Original Color**  
94, 9.111, 264.281

**Protanomaly**  
94, 8.842, 281.971

**Deuteranomaly**  
94, 11.218, 305.228

**Tritanomaly**  
94, 9.327, 269.515

# Monochromacy



**Original Color**  
94, 9.111, 264.281

**Achromatopsia**  
94, 0.011, 296.813

**Achromatomaly**  
94, 3.526, 260.865

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 9.577, 265.741 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, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 239, 255)  
}
```

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, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 239, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 9.577, 265.741 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, 239, 255) }
```

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

```
.border{ border-color:rgb(227, 239, 255) }
```

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

Here you see how a box with a 4 pixel rgb(227, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 239,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 9.577, 265.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 239, 255) }
```

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

```
.background{ background-color: rgb(227,  
239, 255) }
```

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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