

# Converting Colors

CIELCh(95, 9.760, 238.737)

Have a look what the booklet for  
CIELCh(95, 9.760, 238.737) contains.

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# Color

**CIELCh(95, 9.485, 235.741)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDF4FF
RGB	221, 244, 255
RGB Percent	87%, 96%, 100%
CMY	0.1318, 0.0416, 0.0000
CMYK	0.13, 0.04, 0.00, 0.00
HSL	199°, 100%, 93%
HSV	199°, 13%, 100%
XYZ	80.5215, 87.6183, 107.6119
YIQ	238.3770, -17.2390, -1.4550

# Conversions

## Conversions Part 2

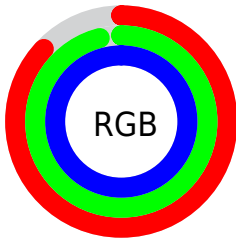
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 235, 255
Decimal	14546175
CIE <sub>Lab</sub>	95.00, -5.34, -7.84
CIE <sub>LCh</sub>	95, 9.485, 235.741
Y <sub>xy</sub>	87.6183, 0.2920, 0.3177
Android (android.graphics.Color)	4292736255 (0xFFDDDF4FF)
YUV	238.3770, 8.1951, -15.2396
Hunter-Lab	93.6047, -10.2573, -2.6390

# Details

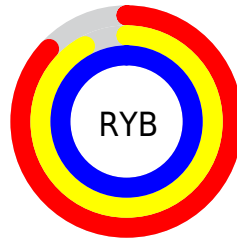
The CIELCh color **95, 9.485, 235.741** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 10.065, 52.471**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **75, 9.302, 234.565** is the 20% darker color. If you saturate the color by 10%, you get **91, 16.104, 235.778**, and if you desaturate by 10%, it is **99, 2.309, 233.969**.

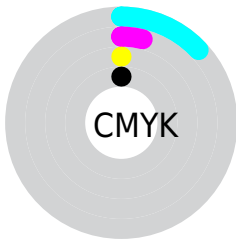
# Distribution



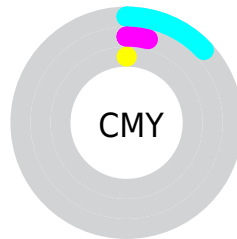
- Red (87%)
- Green (96%)
- Blue (100%)



- Red (87%)
- Yellow (92%)
- Blue (100%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 9.485, 235.741 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 95, 9.485, 235.741 by changing the saturation by 10% instead.



 95, 9.485, 235.741

 95, 9.485, 235.741

 100, 9.485,  
235.741

 85, 9.485, 235.741

 75, 9.485, 235.741

 65, 9.485, 235.741

 55, 9.485, 235.741

 45, 9.485, 235.741

 35, 9.485, 235.741

 25, 9.485, 235.741

 15, 9.485, 235.741

 5, 9.485, 235.741

95, 9.485, 235.741

95, 9.485, 235.741

91, 16.104,  
235.778

99, 2.309, 233.969

88, 22.420,  
237.200

100, 0.012,  
296.813

84, 28.237,  
239.001

81, 33.483,  
241.266

78, 38.111,  
244.088

75, 42.125,  
247.552

72, 45.600,  
251.709

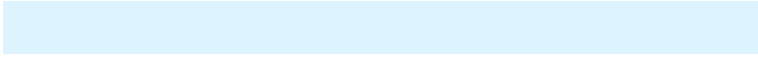
69, 48.701,  
256.529

■ 68, 50.758,  
260.046

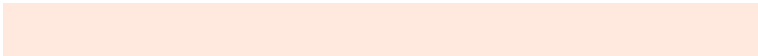
# Harmonies

# Complementary

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



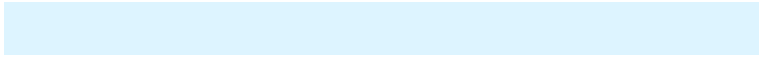
95, 9.485, 235.741



94, 10.065, 52.471

# Rectangle

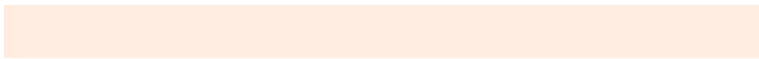
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 9.485, 235.741



95, 9.485, 285.741



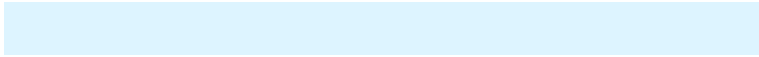
95, 9.485, 55.741



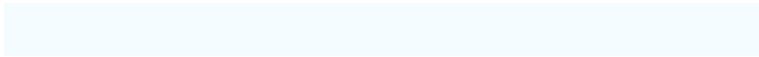
95, 9.485, 105.741

# Sweetspot

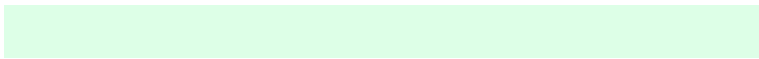
The Sweet Spot groups the original color and five complimentary colors.



95, 9.373, 234.671



98, 2.899, 233.982



97, 16.957, 153.349



52, 2.057, 234.012



0, 0.000, 0.000



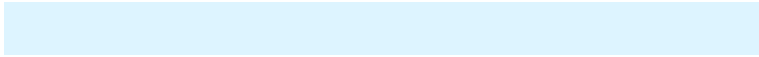
53, 0.007, 296.813



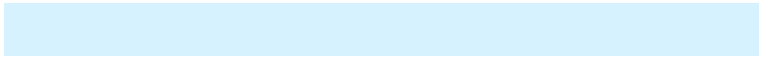


# Same Dimension

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



95, 9.373, 234.671



94, 11.309, 234.954



91, 14.085, 282.056



51, 4.075, 234.341



52, 40.499, 259.070



16, 17.563, 251.930



# Inverse Universe

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



92, 16.876, 335.824



90, 20.525, 336.038



98, 13.877, 98.874



50, 7.260, 335.547



42, 73.604, 346.094

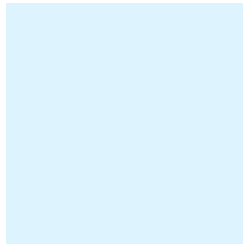


11, 34.695, 343.304



# Previews

## White Background



This preview shows how the CIELCh color 95, 9.485, 235.741 looks on a white background.

## Color Contrast Check

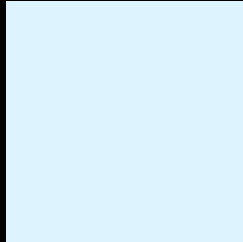
Large Text (above 18pt) WCAG AA × Fail

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 95, 9.485, 235.741 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

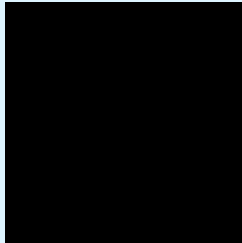
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

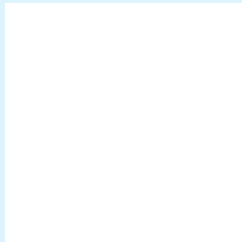
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 95, 9.485, 235.741

## Background



This preview shows how black text looks on a background with the CIELCh color 95, 9.485, 235.741.



This preview shows how white text looks on a background with the CIELCh color 95, 9.485, 235.741.

# 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

95, 9.485, 235.741

### Protanopia

95, 6.735, 296.600

### Deuteranopia

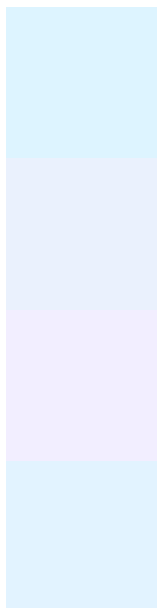
95, 12.916, 323.570





**Tritanopia**  
95, 7.933, 256.823

# Trichromacy



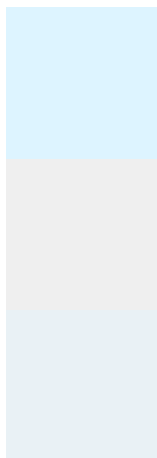
**Original Color**  
95, 9.485, 235.741

**Protanomaly**  
95, 6.578, 269.254

**Deuteranomaly**  
95, 8.877, 299.786

**Tritanomaly**  
95, 8.345, 246.963

# Monochromacy



**Original Color**  
95, 9.485, 235.741

**Achromatopsia**  
94, 0.011, 296.813

**Achromatomaly**  
95, 3.433, 236.277

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 9.485, 235.741 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(221, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 244, 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(221, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 244, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 9.485, 235.741 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(221, 244, 255) }
```

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

```
.border{ border-color:rgb(221, 244, 255) }
```

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

Here you see how a box with a 4 pixel rgb(221, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 244,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 9.485, 235.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 244, 255) }
```

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

```
.background{ background-color: rgb(221,  
244, 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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