

# Converting Colors

CIELCh(95, 7.393, 248.454)

Have a look what the booklet for  
CIELCh(95, 7.393, 248.454) contains.

<b>CIELCh(95, 7.534, 247.950)</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(95, 7.534, 247.950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4F3FE
RGB	228, 243, 254
RGB Percent	89%, 95%, 100%
CMY	0.1065, 0.0477, 0.0046
CMYK	0.10, 0.04, 0.00, 0.00
HSL	205°, 92%, 94%
HSV	205°, 10%, 100%
XYZ	81.8104, 87.6183, 106.2300
YIQ	239.7690, -12.4710, 0.2410

# Conversions

## Conversions Part 2

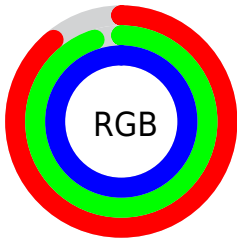
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 238, 254
Decimal	15004670
CIE Lab	95.00, -2.83, -6.98
CIE LCh	95, 7.534, 247.950
Yxy	87.6183, 0.2968, 0.3179
Android (android.graphics.Color)	4293194750 (0xFFE4F3FE)
YUV	239.7690, 7.0159, -10.3214
Hunter-Lab	93.6047, -7.7993, -1.7637

# Details

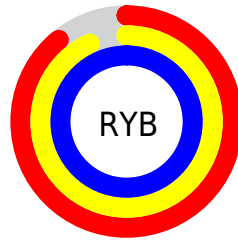
The CIELCh color `95, 7.534, 247.950` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `95, 7.822, 65.467`, and the grayscale version is `95, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `75, 7.490, 245.403` is the 20% darker color. If you saturate the color by 10%, you get `91, 14.699, 249.345`, and if you desaturate by 10%, it is `99, 0.187, 249.408`.

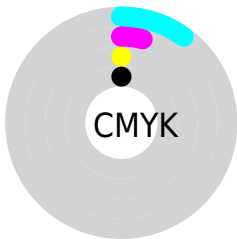
# Distribution



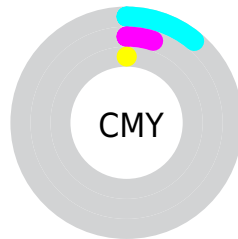
- Red (89%)
- Green (95%)
- Blue (100%)



- Red (89%)
- Yellow (93%)
- Blue (100%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 7.534, 247.950 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, 7.534, 247.950 by changing the saturation by 10% instead.



 95, 7.534, 247.950

 95, 7.534, 247.950

 100, 7.534,  
247.950

 85, 7.534, 247.950

 75, 7.534, 247.950

 65, 7.534, 247.950

 55, 7.534, 247.950

 45, 7.534, 247.950

 35, 7.534, 247.950

 25, 7.534, 247.950

 15, 7.534, 247.950

 5, 7.534, 247.950

95, 7.534, 247.950

95, 7.534, 247.950

91, 14.699,  
249.345

99, 0.187, 249.408

86, 21.633,  
251.086

100, 0.577,  
110.001

82, 28.286,  
253.208

78, 34.620,  
255.783

74, 40.619,  
258.883

70, 46.313,  
262.562

66, 51.786,  
266.822

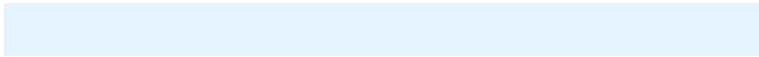
63, 57.183,  
271.579

■ 60, 62.569,  
276.443

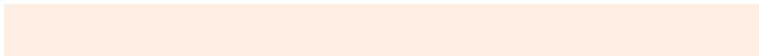
# Harmonies

# Complementary

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



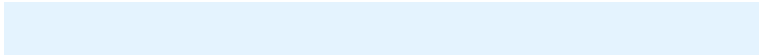
95, 7.534, 247.950



95, 7.822, 65.467

# Rectangle

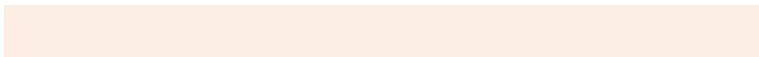
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 7.534, 247.950



95, 7.534, 297.950



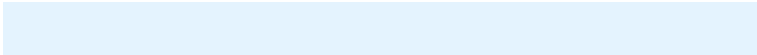
95, 7.534, 67.950



95, 7.534, 117.950

# Sweetspot

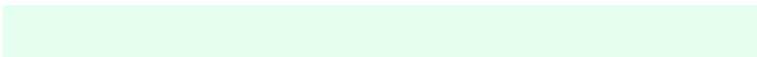
The Sweet Spot groups the original color and five complimentary colors.



95, 7.533, 247.934



99, 2.237, 247.206



97, 12.023, 158.647



52, 1.693, 247.251



0, 0.000, 0.000



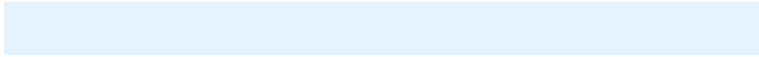
53, 0.007, 296.813



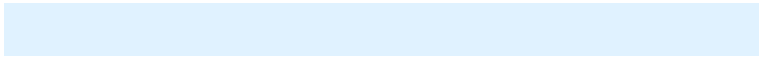


# Same Dimension

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



95, 7.533, 247.934



95, 8.841, 248.159



92, 12.352, 287.746



51, 4.201, 247.843



46, 49.825, 275.528



14, 20.689, 268.443



# Inverse Universe

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



93, 12.084, 340.487



92, 14.235, 340.638



98, 12.109, 105.527



50, 6.728, 340.424



42, 69.697, 354.991

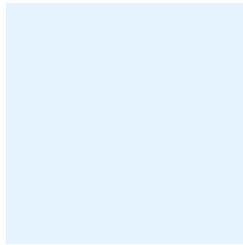


11, 32.800, 350.611



# Previews

## White Background



This preview shows how the CIELCh color 95, 7.534, 247.950 looks on a white background.

## Color Contrast Check

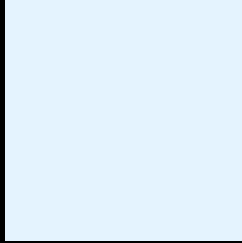
Large Text (above 18pt) WCAG AA × Fail

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 95, 7.534, 247.950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

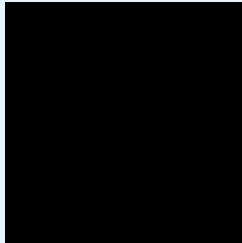
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

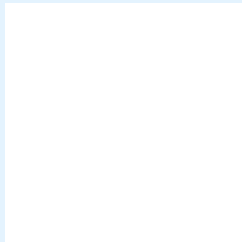
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 95, 7.534, 247.950

## Background



This preview shows how black text looks on a background with the CIELCh color 95, 7.534, 247.950.



This preview shows how white text looks on a background with the CIELCh color 95, 7.534, 247.950.

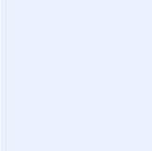
# Color Blindness Simulation

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

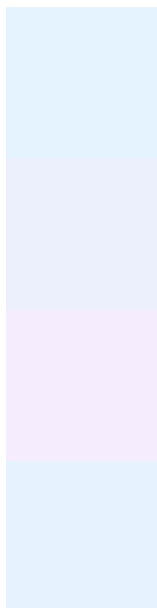






**Tritanopia**  
95, 7.647, 269.812

# Trichromacy



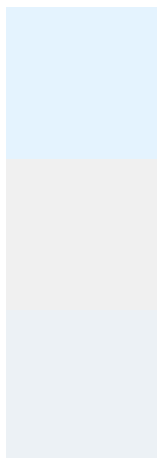
**Original Color**  
95, 7.534, 247.950

**Protanomaly**  
95, 6.802, 279.046

**Deuteranomaly**  
95, 9.215, 308.328

**Tritanomaly**  
95, 7.592, 261.110

# Monochromacy



**Original Color**  
95, 7.534, 247.950

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
95, 2.678, 249.777

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 7.534, 247.950 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(228, 243, 254)` looks like.

```
.text, #text, p{  
    color:rgb(228, 243, 254)  
}
```

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(228, 243, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 243, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 7.534, 247.950 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(228, 243, 254) }
```

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

```
.border{ border-color:rgb(228, 243, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 243, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 243, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 243, 254);  
box-shadow:4px 4px 4px 4px rgb(228, 243,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 7.534, 247.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 243, 254) }
```

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

```
.background{ background-color: rgb(228,  
243, 254) }
```

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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