

# Converting Colors

CIE LCh(96, 8.098, 223.497)

Have a look what the booklet for  
CIELCh(96, 8.098, 223.497) contains.

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# Color

**CIELCh(96, 8.212, 225.028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1F7FE
RGB	225, 247, 254
RGB Percent	88%, 97%, 100%
CMY	0.1161, 0.0298, 0.0024
CMYK	0.11, 0.03, 0.00, 0.00
HSL	194°, 96%, 94%
HSV	194°, 11%, 100%
XYZ	82.5011, 90.0078, 107.1174
YIQ	241.2200, -15.3590, -2.4870

# Conversions

## Conversions Part 2

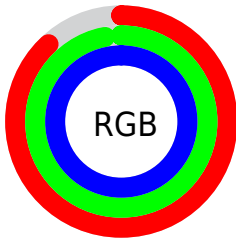
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 238, 254
Decimal	14809086
CIE Lab	96.00, -5.80, -5.81
CIE LCh	96, 8.212, 225.028
Yxy	90.0078, 0.2950, 0.3219
Android (android.graphics.Color)	4292999166 (0xFFE1F7FE)
YUV	241.2200, 6.3005, -14.2249
Hunter-Lab	94.8724, -10.8031, -0.5317

# Details

The CIELCh color **96, 8.212, 225.028** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 8.803, 43.857**, 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 **76, 8.033, 222.729** is the 20% darker color. If you saturate the color by 10%, you get **93, 14.996, 225.681**, and if you desaturate by 10%, it is **99, 1.036, 225.031**.

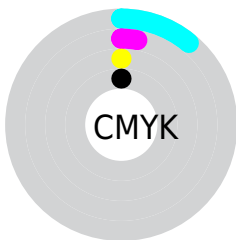
# Distribution



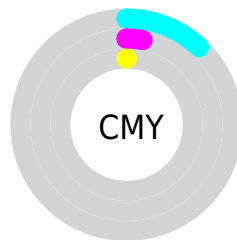
- Red (88%)
- Green (97%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 8.212, 225.028 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 96, 8.212, 225.028 by changing the saturation by 10% instead.



 96, 8.212, 225.028

 96, 8.212, 225.028

 100, 8.212,  
225.028

 86, 8.212, 225.028

 76, 8.212, 225.028

 66, 8.212, 225.028

 56, 8.212, 225.028

 46, 8.212, 225.028

 36, 8.212, 225.028

 26, 8.212, 225.028

 16, 8.212, 225.028

 6, 8.212, 225.028

96, 8.212, 225.028

96, 8.212, 225.028

93, 14.996,  
225.681

99, 1.036, 225.031

90, 21.288,  
226.609

100, 0.298,  
109.896

87, 26.984,  
227.845

84, 31.981,  
229.463

81, 36.200,  
231.549

79, 39.599,  
234.200

77, 42.206,  
237.502

75, 44.138,  
241.507

■ 73, 45.471,  
245.417

# Harmonies

# Complementary

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



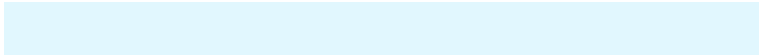
96, 8.212, 225.028



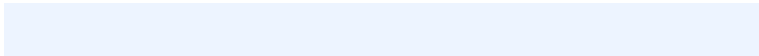
94, 8.803, 43.857

# Rectangle

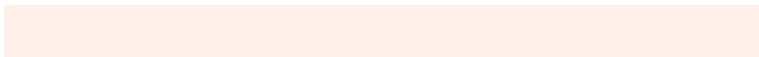
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



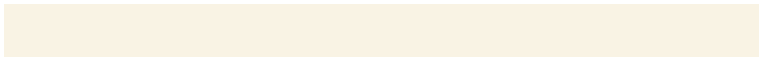
96, 8.212, 225.028



96, 8.212, 275.028



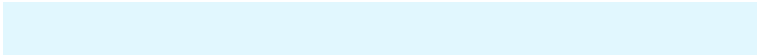
96, 8.212, 45.028



96, 8.212, 95.028

# Sweetspot

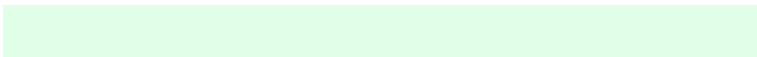
The Sweet Spot groups the original color and five complimentary colors.



96, 8.212, 225.012



99, 2.209, 224.778



97, 15.368, 150.966



53, 1.671, 224.755



0, 0.000, 0.000



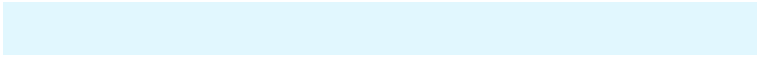
53, 0.007, 296.813



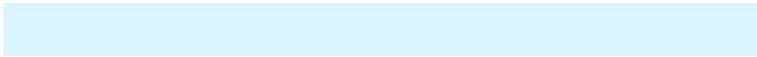


# Same Dimension

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



96, 8.212, 225.012



95, 10.035, 225.162



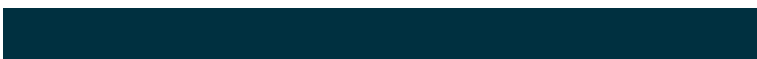
92, 11.251, 277.585



51, 4.122, 224.916



56, 36.532, 244.545



18, 16.400, 238.341



# Inverse Universe

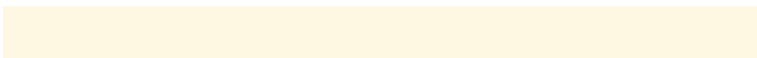
The Inverse Universe completely reimagines the original color for something new.



93, 15.342, 332.734



91, 18.904, 332.914



97, 11.176, 94.698



50, 7.655, 332.602



43, 77.324, 340.814

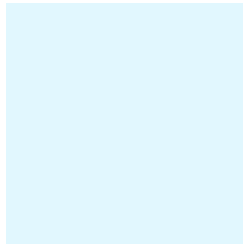


11, 36.326, 338.944



# Previews

## White Background



This preview shows how the CIELCh color 96, 8.212, 225.028 looks on a white background.

## Color Contrast Check

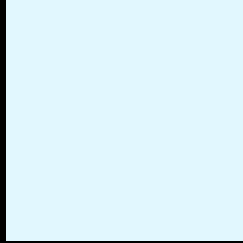
Large Text (above 18pt) WCAG AA × Fail

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 96, 8.212, 225.028 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

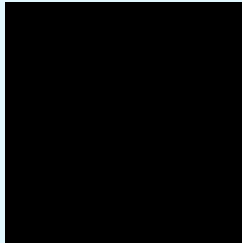
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

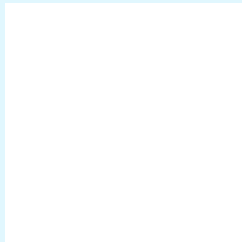
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 8.212, 225.028

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 8.212, 225.028.

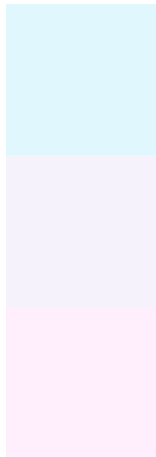


This preview shows how white text looks on a background with the CIELCh color 96, 8.212, 225.028.

# 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

96, 8.212, 225.028

### Protanopia

96, 4.753, 303.229

### Deuteranopia

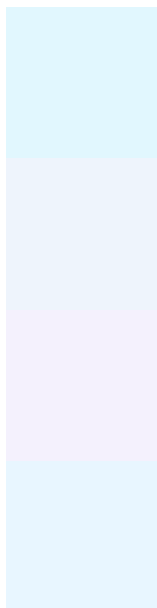
96, 9.381, 330.090





**Tritanopia**  
96, 6.110, 256.507

# Trichromacy



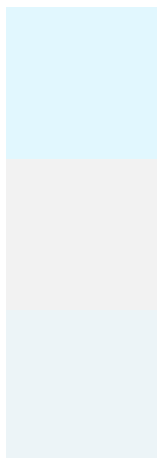
**Original Color**  
96, 8.212, 225.028

**Protanomaly**  
96, 4.566, 263.544

**Deuteranomaly**  
96, 6.267, 300.205

**Tritanomaly**  
96, 6.574, 243.909

# Monochromacy



**Original Color**  
96, 8.212, 225.028

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
96, 3.157, 228.645

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 8.212, 225.028 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(225, 247, 254)` looks like.

```
.text, #text, p{  
    color:rgb(225, 247, 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(225, 247, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 247, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 8.212, 225.028 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(225, 247, 254) }
```

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

```
.border{ border-color:rgb(225, 247, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 247, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 247, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 247, 254);  
box-shadow:4px 4px 4px 4px rgb(225, 247,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 8.212, 225.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 247, 254) }
```

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

```
.background{ background-color: rgb(225,  
247, 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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