

# Converting Colors

CIELCh(100, 52.411, 286.406)

Have a look what the booklet for  
CIELCh(100, 52.411, 286.406)  
contains.

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# Color

**CIELCh(97, 8.481, 216.596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FBFF
RGB	227, 251, 255
RGB Percent	89%, 98%, 100%
CMY	0.1106, 0.0164, 0.0000
CMYK	0.11, 0.02, 0.00, 0.00
HSL	189°, 100%, 94%
HSV	189°, 11%, 100%
XYZ	84.2282, 92.4403, 108.6932
YIQ	244.2800, -15.5880, -3.8440

# Conversions

## Conversions Part 2

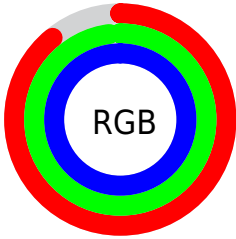
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 240, 255
Decimal	14941183
CIE Lab	97.00, -6.81, -5.06
CIE LCh	97, 8.481, 216.596
Yxy	92.4403, 0.2952, 0.3239
Android (android.graphics.Color)	4293131263 (0xFFE3FBFF)
YUV	244.2800, 5.2850, -15.1546
Hunter-Lab	96.1459, -11.8811, 0.2746

# Details

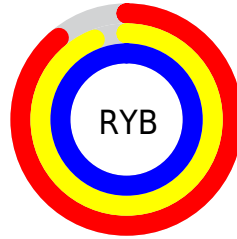
The CIELCh color **97, 8.481, 216.596** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 9.017, 33.690**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 8.366, 213.798** is the 20% darker color. If you saturate the color by 10%, you get **94, 15.492, 213.977**, and if you desaturate by 10%, it is **100, 0.827, 214.495**.

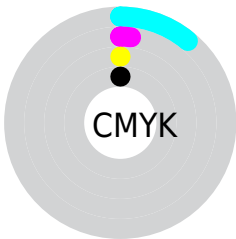
# Distribution



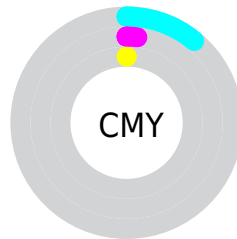
- Red (89%)
- Green (98%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 8.481, 216.596 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 97, 8.481, 216.596 by changing the saturation by 10% instead.



 97, 8.481, 216.596

 97, 8.481, 216.596

 100, 8.481,  
216.596

 87, 8.481, 216.596

 77, 8.481, 216.596

 67, 8.481, 216.596

 57, 8.481, 216.596

 47, 8.481, 216.596

 37, 8.481, 216.596

 27, 8.481, 216.596

 17, 8.481, 216.596

 7, 8.481, 216.596

97, 8.481, 216.596

97, 8.481, 216.596

94, 15.492,  
213.977

100, 0.827,  
214.495

92, 22.021,  
214.304

100, 0.012,  
296.813

90, 27.849,  
214.835

88, 32.850,  
215.616

86, 36.920,  
216.705

84, 39.988,  
218.164

83, 42.047,  
220.060

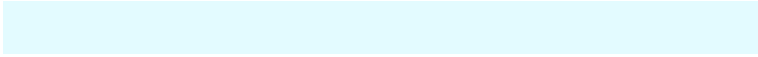
81, 43.168,  
222.453

■ 80, 43.576,  
224.991

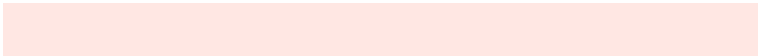
# Harmonies

# Complementary

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



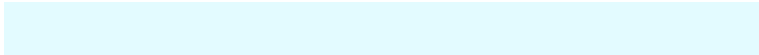
97, 8.481, 216.596



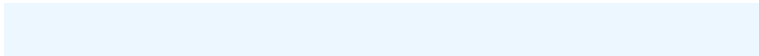
93, 9.017, 33.690

# Rectangle

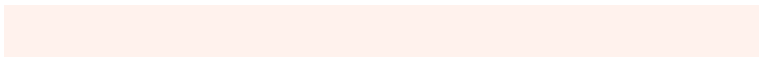
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



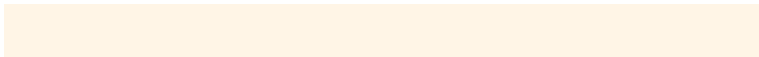
97, 8.481, 216.596



97, 8.481, 266.596



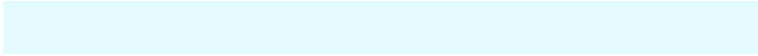
97, 8.481, 36.596



97, 8.481, 86.596

# Sweetspot

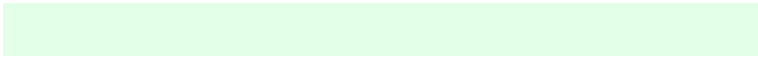
The Sweet Spot groups the original color and five complimentary colors.



97, 8.387, 213.831



99, 2.322, 213.981



97, 16.055, 147.622



53, 1.757, 213.924



0, 0.000, 0.000



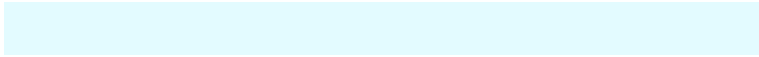
53, 0.007, 296.813



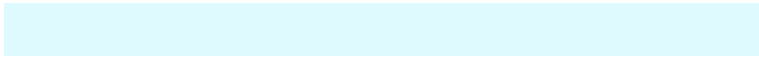


# Same Dimension

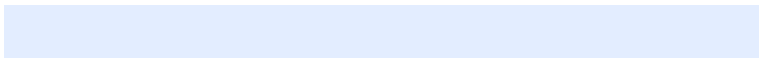
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 8.387, 213.831



96, 9.803, 213.845



94, 9.785, 269.899



52, 4.329, 213.827



62, 35.113, 224.432



20, 16.240, 220.605



# Inverse Universe

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



93, 15.920, 329.442



92, 18.729, 329.564



97, 9.839, 86.928



50, 8.174, 329.343



44, 82.850, 335.205

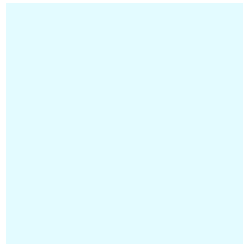


12, 38.646, 334.243



# Previews

## White Background



This preview shows how the CIELCh color 97, 8.481, 216.596 looks on a white background.

## Color Contrast Check

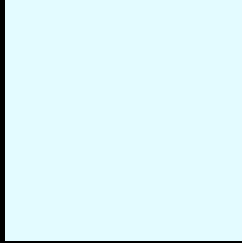
Large Text (above 18pt) WCAG AA × Fail

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 97, 8.481, 216.596 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

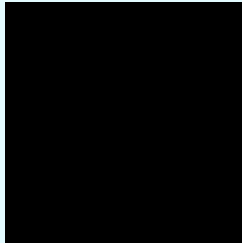
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 97, 8.481, 216.596**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 97, 8.481, 216.596.

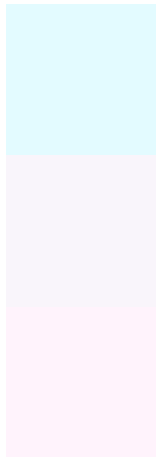


This preview shows how white text looks on a background with the CIELCh color 97, 8.481, 216.596.

# 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

97, 8.361, 213.181

### Protanopia

97, 3.397, 314.709

### Deuteranopia

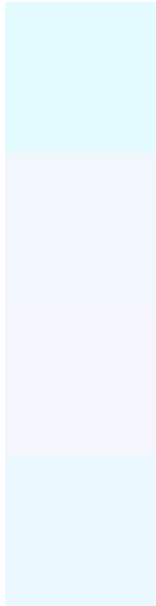
97, 6.275, 332.584





**Tritanopia**  
97, 4.715, 259.792

# Trichromacy



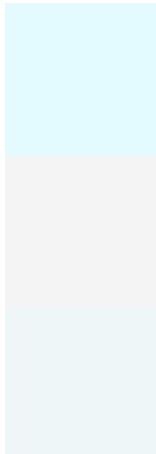
**Original Color**  
97, 8.361, 213.181

**Protanomaly**  
97, 3.272, 251.005

**Deuteranomaly**  
97, 3.599, 284.942

**Tritanomaly**  
97, 5.660, 238.606

# Monochromacy



**Original Color**  
97, 8.361, 213.181

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
96, 2.949, 219.793

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 8.481, 216.596 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, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 251, 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, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 251, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 8.481, 216.596 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, 251, 255) }
```

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

```
.border{ border-color:rgb(227, 251, 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, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 8.481, 216.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 251, 255) }
```

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

```
.background{ background-color: rgb(227,  
251, 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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