

# Converting Colors

CIELCh(97, 8.626, 221.358)

Have a look what the booklet for  
CIELCh(97, 8.626, 221.358) contains.

<b>CIELCh(97, 8.361, 213.181)</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(97, 8.361, 213.181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FBFF
RGB	227, 251, 255
RGB Percent	89%, 98%, 100%
CMY	0.1103, 0.0162, 0.0005
CMYK	0.11, 0.02, 0.00, 0.00
HSL	189°, 99%, 94%
HSV	189°, 11%, 100%
XYZ	84.1290, 92.4403, 107.9116
YIQ	244.2800, -15.5880, -3.8440

# Conversions

## Conversions Part 2

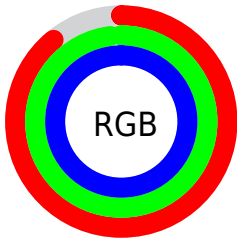
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 240, 255
Decimal	14941183
CIE Lab	97.00, -7.00, -4.58
CIE LCh	97, 8.361, 213.181
Yxy	92.4403, 0.2957, 0.3249
Android (android.graphics.Color)	4293131263 (0xFFE3FBFF)
YUV	244.2800, 5.2850, -15.1546
Hunter-Lab	96.1459, -12.0653, 0.7566

# Details

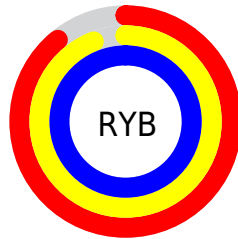
The CIELCh color **97, 8.361, 213.181** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 8.986, 33.084**, and the grayscale version is **96, 0.011, 296.813**.

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, 15.496, 213.279**, and if you desaturate by 10%, it is **100, 0.769, 213.919**.

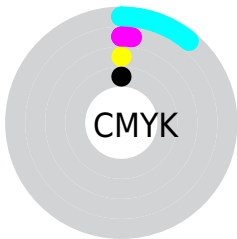
# Distribution



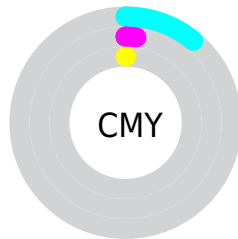
- Red (89%)
- Green (98%)
- Blue (100%)



- 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, 8.361, 213.181 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, 8.361, 213.181 by changing the saturation by 10% instead.



 97, 8.361, 213.181

 97, 8.361, 213.181

 100, 8.361,  
213.181

 87, 8.361, 213.181

 77, 8.361, 213.181

 67, 8.361, 213.181

 57, 8.361, 213.181

 47, 8.361, 213.181

 37, 8.361, 213.181

 27, 8.361, 213.181

 17, 8.361, 213.181

 7, 8.361, 213.181

97, 8.361, 213.181

97, 8.361, 213.181

94, 15.496,  
213.279

100, 0.769,  
213.919

92, 22.052,  
213.568

100, 0.051,  
108.648

90, 27.901,  
214.054

88, 32.920,  
214.782

86, 37.000,  
215.805

84, 40.072,  
217.184

83, 42.125,  
218.983

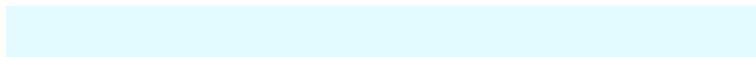
82, 43.229,  
221.260

■ 81, 43.610,  
223.702

# Harmonies

# Complementary

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



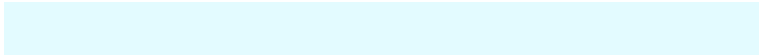
97, 8.361, 213.181



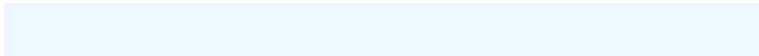
93, 8.986, 33.084

# Rectangle

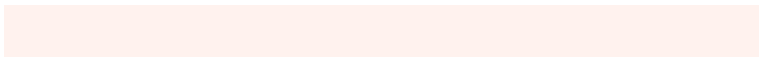
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



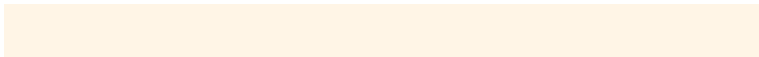
97, 8.361, 213.181



97, 8.361, 263.181



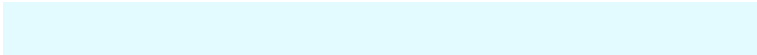
97, 8.361, 33.181



97, 8.361, 83.181

# Sweetspot

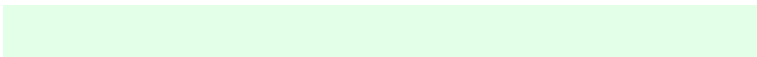
The Sweet Spot groups the original color and five complimentary colors.



97, 8.362, 213.166



99, 2.332, 213.339



97, 15.935, 147.628



53, 1.764, 213.279



0, 0.000, 0.000



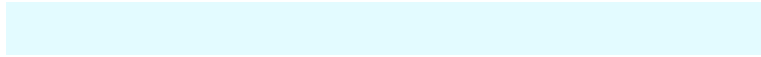
53, 0.007, 296.813



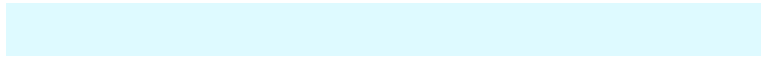


# Same Dimension

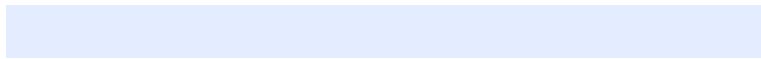
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 8.362, 213.166



97, 9.844, 213.174



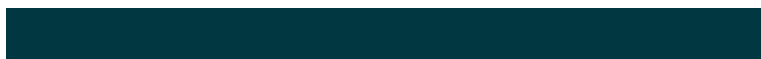
94, 9.712, 269.888



52, 4.347, 213.167



62, 35.159, 223.169



20, 16.277, 219.516



# Inverse Universe

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



93, 15.866, 329.245



92, 18.806, 329.371



97, 9.765, 86.938



50, 8.208, 329.151



44, 83.226, 334.886

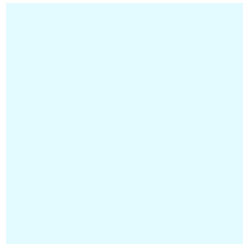


12, 38.801, 333.973



# Previews

## White Background



This preview shows how the CIELCh color 97, 8.361, 213.181 looks on a white background.

## Color Contrast Check

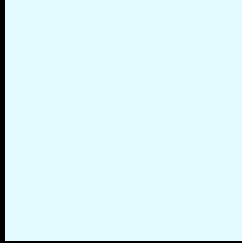
Large Text (above 18pt) WCAG AA × Fail

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, 8.361, 213.181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

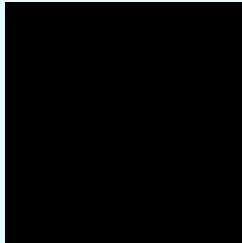
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

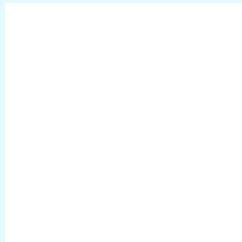
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 97, 8.361, 213.181

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 8.361, 213.181.

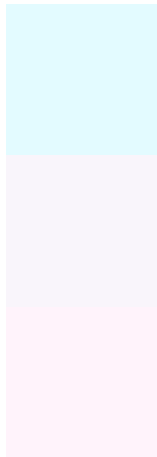


This preview shows how white text looks on a background with the CIELCh color 97, 8.361, 213.181.

# 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

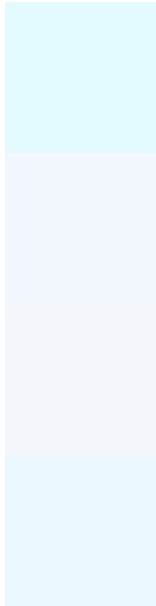
97, 5.909, 335.926





**Tritanopia**  
97, 4.715, 259.792

# Trichromacy



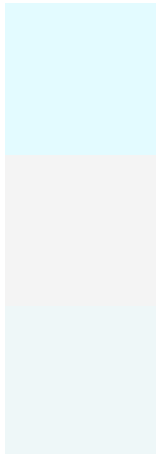
**Original Color**  
97, 8.361, 213.181

**Protanomaly**  
97, 3.272, 251.005

**Deuteranomaly**  
97, 3.091, 283.983

**Tritanomaly**  
97, 5.660, 238.606

# Monochromacy



**Original Color**  
97, 8.361, 213.181

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
97, 3.161, 208.733

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 8.361, 213.181 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, 8.361, 213.181 is called "border". The border property can be set on classes, ids or directly on the HTML element.

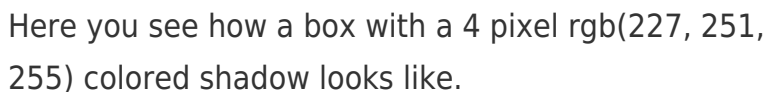
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.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, 8.361, 213.181 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor