

# Converting Colors

CIE LCh(97, 5.197, 267.619)

Have a look what the booklet for  
CIELCh(97, 5.197, 267.619) contains.

|  |    |
|--|----|
| <b>CIELCh(97, 4.556, 263.537)</b> .....        | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 12 |
| <i><b>Previews</b></i> .....                   | 21 |
| <i><b>Color Blindness Simulation</b></i> ..... | 24 |
| <i><b>CSS Examples</b></i> .....               | 27 |

# **Color**

**CIELCh(97, 4.556, 263.537)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F1F7FF                     |
| RGB         | 241, 247, 255              |
| RGB Percent | 95%, 97%, 100%             |
| CMY         | 0.0549, 0.0314, 0.0000     |
| CMYK        | 0.05, 0.03, 0.00, 0.00     |
| HSL         | 214°, 100%, 97%            |
| HSV         | 214°, 5%, 100%             |
| XYZ         | 87.5845, 92.4403, 107.8324 |
| YIQ         | 246.1180, -6.1440, 1.2160  |

# Conversions

## Conversions Part 2

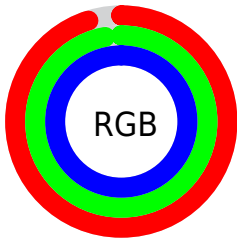
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 241, 245, 255                |
| Decimal                             | 15857663                     |
| CIE Lab                             | 97.00, -0.51, -4.53          |
| CIE LCh                             | 97, 4.556, 263.537           |
| Yxy                                 | 92.4403, 0.3043,<br>0.3211   |
| Android<br>(android.graphics.Color) | 4294047743<br>(0xFFFF1F7FF)  |
| YUV                                 | 246.1180, 4.3788,<br>-4.4885 |
| Hunter-Lab                          | 96.1459, -5.6500,<br>0.8055  |

# Details

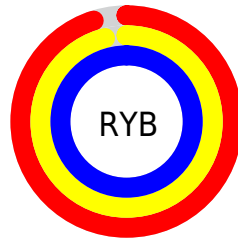
The CIELCh color **97, 4.556, 263.537** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98, 4.573, 81.934**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 4.304, 260.391** is the 20% darker color. If you saturate the color by 10%, you get **92, 12.853, 264.941**, and if you desaturate by 10%, it is **100, 0.011, 297.001**.

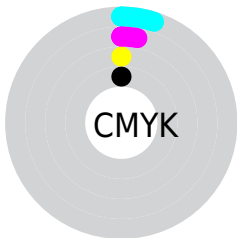
# Distribution



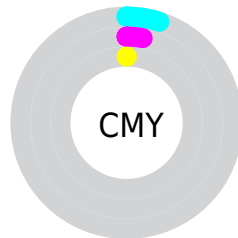
- Red (95%)
- Green (97%)
- Blue (100%)



- Red (95%)
- Yellow (96%)
- Blue (100%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 4.556, 263.537 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, 4.556, 263.537 by changing the saturation by 10% instead.



97, 4.556, 263.537

97, 4.556, 263.537

100, 4.556,  
263.537

87, 4.556, 263.537

77, 4.556, 263.537

67, 4.556, 263.537

57, 4.556, 263.537

47, 4.556, 263.537

37, 4.556, 263.537

27, 4.556, 263.537

17, 4.556, 263.537

7, 4.556, 263.537

97, 4.556, 263.537

97, 4.556, 263.537

92, 12.853,  
264.941

100, 0.011,  
297.001

86, 21.162,  
266.677

81, 29.469,  
268.734

75, 37.773,  
271.163

70, 46.089,  
274.012

65, 54.458,  
277.307

60, 62.948,  
281.032

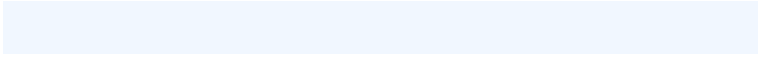
56, 71.636,  
285.095

■ 52, 80.559,  
289.314

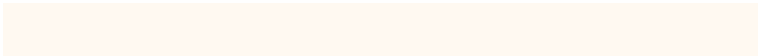
# Harmonies

# Complementary

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



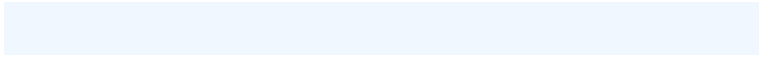
97, 4.556, 263.537



98, 4.573, 81.934

# Rectangle

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



97, 4.556, 263.537



97, 4.556, 313.537



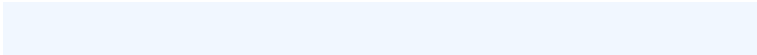
97, 4.556, 83.537



97, 4.556, 133.537

# Sweetspot

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



97, 4.555, 263.510



99, 1.664, 263.189



99, 5.802, 167.018



53, 0.946, 263.187



0, 0.000, 0.000



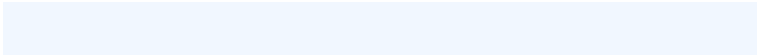
53, 0.007, 296.813



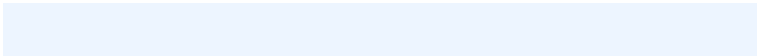


# Same Dimension

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



97, 4.555, 263.510



96, 5.806, 263.702



96, 7.204, 293.298



51, 3.773, 263.782



37, 66.946, 290.397



10, 26.960, 284.432



# Inverse Universe

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



96, 5.851, 348.068



95, 7.477, 348.225



100, 7.098, 112.322



50, 4.862, 348.286



41, 68.066, 8.999

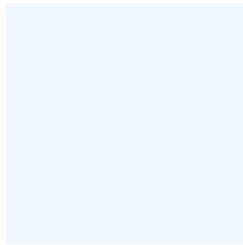


10, 31.385, 2.351



# Previews

## White Background



This preview shows how the CIELCh color 97, 4.556, 263.537 looks on a white background.

## Color Contrast Check

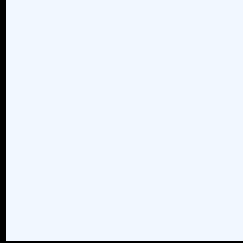
Large Text (above 18pt) WCAG AA × Fail

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 97, 4.556, 263.537 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

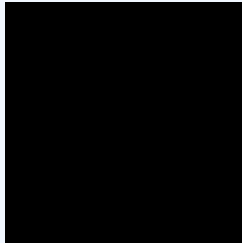
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

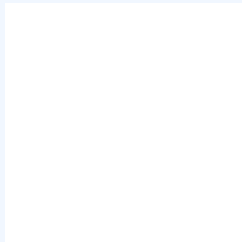
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 97, 4.556, 263.537**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 97, 4.556, 263.537.

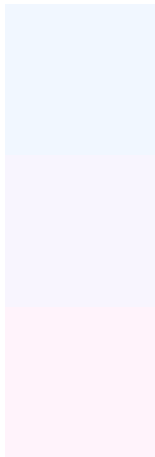


This preview shows how white text looks on a background with the CIELCh color 97, 4.556, 263.537.

# 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, 4.556, 263.537

### Protanopia

97, 4.743, 303.226

### Deuteranopia

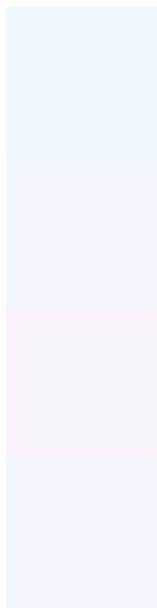
97, 5.909, 335.926





**Tritanopia**  
97, 4.617, 286.251

# Trichromacy



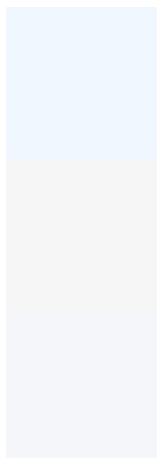
**Original Color**  
97, 4.556, 263.537

**Protanomaly**  
97, 4.108, 285.673

**Deuteranomaly**  
97, 4.630, 317.380

**Tritanomaly**  
97, 4.650, 282.004

# Monochromacy



**Original Color**  
97, 4.556, 263.537

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 1.684, 265.875

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 4.556, 263.537 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(241, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 247, 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(241, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 247, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 4.556, 263.537 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(241, 247, 255) }
```

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

```
.border{ border-color:rgb(241, 247, 255) }
```

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

Here you see how a box with a 4 pixel rgb(241, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 4.556, 263.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 247, 255) }
```

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

```
.background{ background-color: rgb(241,  
247, 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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