

Converting Colors

CIELCh(100, 58.547, 290.935)

Have a look what the booklet for
CIELCh(100, 58.547, 290.935)
contains.

| | |
|--|----|
| CIELCh(97, 5.987, 242.537) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 21 |
| <i>Color Blindness Simulation</i> | 24 |
| <i>CSS Examples</i> | 27 |

Color

CIELCh(97, 5.987, 242.537)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EBF8FF |
| RGB | 235, 248, 255 |
| RGB Percent | 92%, 97%, 100% |
| CMY | 0.0768, 0.0258, 0.0000 |
| CMYK | 0.08, 0.03, 0.00, 0.00 |
| HSL | 200°, 100%, 96% |
| HSV | 200°, 8%, 100% |
| XYZ | 86.3760, 92.4403, 109.1117 |
| YIQ | 244.9110, -9.9950, -0.5790 |

Conversions

Conversions Part 2

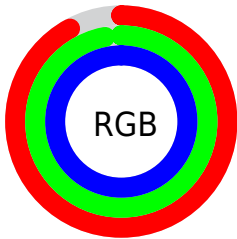
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 235, 243, 255 |
| Decimal | 15464703 |
| CIE Lab | 97.00, -2.76, -5.31 |
| CIE LCh | 97, 5.987, 242.537 |
| Yxy | 92.4403, 0.3000, 0.3211 |
| Android (android.graphics.Color) | 4293654783 (0xFFEBF8FF) |
| YUV | 244.9110, 4.9739, -8.6919 |
| Hunter-Lab | 96.1459, -7.8936, 0.0165 |

Details

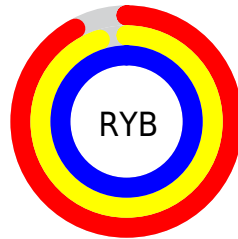
The CIELCh color **97, 5.987, 242.537** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96, 5.742, 55.243**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 5.601, 234.386** is the 20% darker color. If you saturate the color by 10%, you get **93, 12.484, 237.774**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

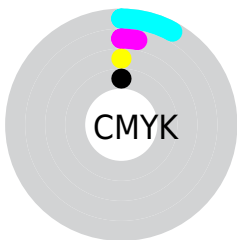
Distribution



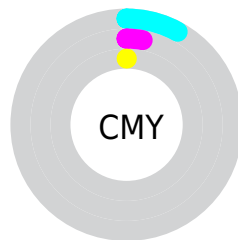
- Red (92%)
- Green (97%)
- Blue (100%)



- Red (92%)
- Yellow (95%)
- Blue (100%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 5.987, 242.537 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, 5.987, 242.537 by changing the saturation by 10% instead.

 97, 5.987, 242.537

 97, 5.987, 242.537

 100, 5.987,
242.537

 87, 5.987, 242.537

 77, 5.987, 242.537

 67, 5.987, 242.537

 57, 5.987, 242.537

 47, 5.987, 242.537

 37, 5.987, 242.537

 27, 5.987, 242.537

 17, 5.987, 242.537

 7, 5.987, 242.537

97, 5.987, 242.537

97, 5.987, 242.537

93, 12.484,
237.774

100, 0.012,
296.813

89, 19.092,
239.114

86, 25.278,
240.803

82, 30.971,
242.917

79, 36.113,
245.546

75, 40.688,
248.777

72, 44.736,
252.674

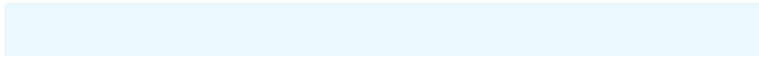
70, 48.380,
257.242

■ 67, 51.827,
262.361

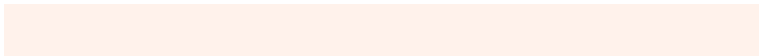
Harmonies

Complementary

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



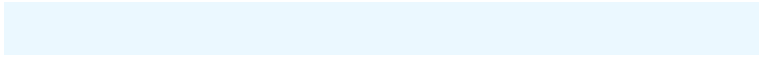
97, 5.987, 242.537



96, 5.742, 55.243

Rectangle

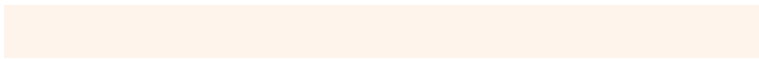
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



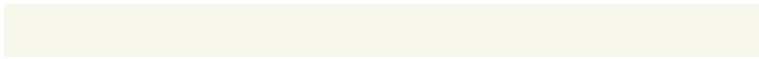
97, 5.987, 242.537



97, 5.987, 292.537



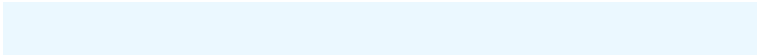
97, 5.987, 62.537



97, 5.987, 112.537

Sweetspot

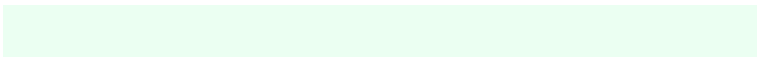
The Sweet Spot groups the original color and five complimentary colors.



97, 5.533, 236.748



99, 1.458, 236.526



98, 9.616, 155.153



53, 0.829, 236.538



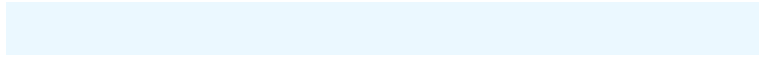
0, 0.000, 0.000



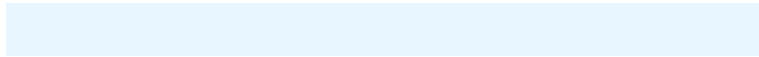
53, 0.007, 296.813

Same Dimension

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



97, 5.533, 236.748



96, 6.466, 236.863



95, 8.455, 283.245



51, 4.081, 236.909



51, 41.955, 262.570



16, 18.027, 255.337

Inverse Universe

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



95, 9.654, 336.258



94, 11.324, 336.361



99, 8.354, 101.463



50, 7.157, 336.400



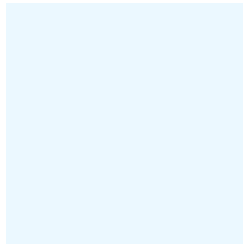
42, 72.729, 347.645



11, 34.296, 344.579

Previews

White Background



This preview shows how the CIELCh color 97, 5.987, 242.537 looks on a white background.

Color Contrast Check

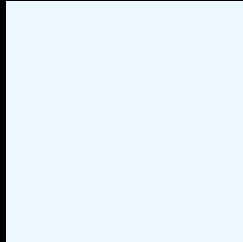
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 97, 5.987, 242.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

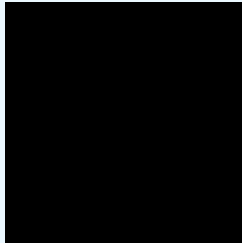
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

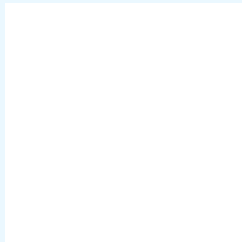
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 5.987, 242.537

Background



This preview shows how black text looks on a background with the CIELCh color 97, 5.987, 242.537.

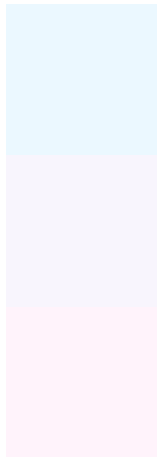


This preview shows how white text looks on a background with the CIELCh color 97, 5.987, 242.537.

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

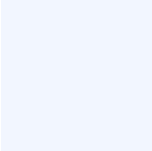
97, 5.660, 238.606

Protanopia

97, 4.246, 304.728

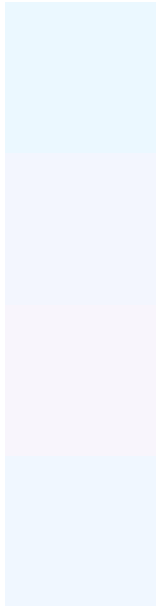
Deuteranopia

97, 5.909, 335.926



Tritanopia
97, 4.790, 273.817

Trichromacy



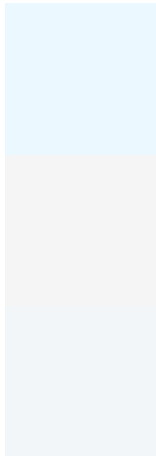
Original Color
97, 5.660, 238.606

Protanomaly
97, 4.212, 276.258

Deuteranomaly
97, 3.752, 306.637

Tritanomaly
97, 4.715, 259.792

Monochromacy



Original Color
97, 5.660, 238.606

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 2.063, 247.867

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 5.987, 242.537 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(235, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 248, 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(235, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 248, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 5.987, 242.537 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(235, 248, 255) }
```

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

```
.border{ border-color:rgb(235, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 248,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 5.987, 242.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 248, 255) }
```

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

```
.background{ background-color: rgb(235,  
248, 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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