

Converting Colors

CIELCh(97, 13.655, 285.776)

Have a look what the booklet for
CIELCh(97, 13.655, 285.776)
contains.

CIELCh(97, 5.285, 275.477)	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, 5.285, 275.477)

Conversions

Conversions Part 1

Format	Color
Hex	F2F6FF
RGB	242, 246, 255
RGB Percent	95%, 96%, 100%
CMY	0.0493, 0.0336, 0.0000
CMYK	0.05, 0.03, 0.00, 0.00
HSL	221°, 100%, 98%
HSV	221°, 5%, 100%
XYZ	88.1350, 92.4403, 109.0275
YIQ	245.8300, -5.2730, 1.9510

Conversions

Conversions Part 2

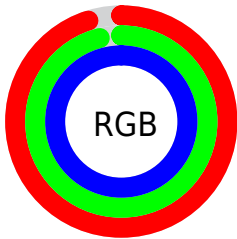
Format	Color
R_{YB}	242, 245, 255
Decimal	15922943
CIE _{Lab}	97.00, 0.50, -5.26
CIE _{LCh}	97, 5.285, 275.477
Yxy	92.4403, 0.3043, 0.3192
Android (android.graphics.Color)	4294113023 (0xFFFF2F6FF)
YUV	245.8300, 4.5208, -3.3589
Hunter-Lab	96.1459, -4.6279, 0.0684

Details

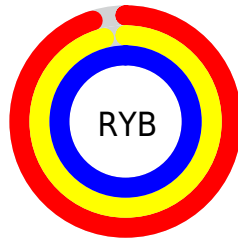
The CIELCh color **97, 5.285, 275.477** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **99, 4.558, 91.601**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 4.513, 271.944** is the 20% darker color. If you saturate the color by 10%, you get **91, 13.961, 274.331**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

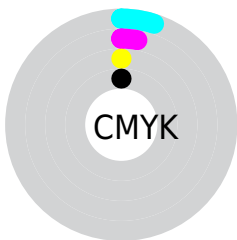
Distribution



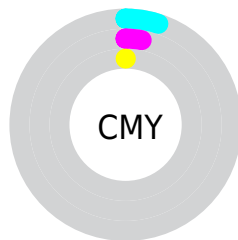
- Red (95%)
- Green (96%)
- Blue (100%)



- 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, 5.285, 275.477 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, 5.285, 275.477 by changing the saturation by 10% instead.

97, 5.285, 275.477

97, 5.285, 275.477

100, 5.285,
275.477

87, 5.285, 275.477

77, 5.285, 275.477

67, 5.285, 275.477

57, 5.285, 275.477

47, 5.285, 275.477

37, 5.285, 275.477

27, 5.285, 275.477

17, 5.285, 275.477

7, 5.285, 275.477

97, 5.285, 275.477

97, 5.285, 275.477

91, 13.961,
274.331

100, 0.012,
296.813

85, 23.516,
275.983

78, 33.251,
277.925

72, 43.187,
280.199

66, 53.358,
282.839

61, 63.805,
285.857

55, 74.559,
289.213

50, 85.575,
292.791

■ 45, 96.635,
296.385

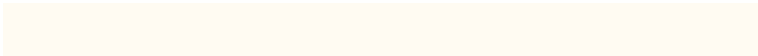
Harmonies

Complementary

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



97, 5.285, 275.477



99, 4.558, 91.601

Rectangle

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



97, 5.285, 275.477



97, 5.285, 325.477



97, 5.285, 95.477



97, 5.285, 145.477

Sweetspot

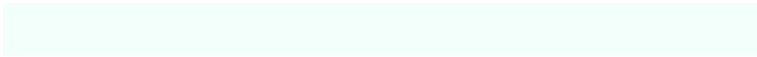
The Sweet Spot groups the original color and five complimentary colors.



97, 4.576, 272.952



99, 0.934, 272.687



99, 4.885, 173.356



53, 0.531, 272.696



0, 0.000, 0.000



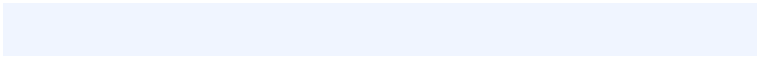
53, 0.007, 296.813

Same Dimension

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



97, 4.576, 272.952



96, 5.573, 273.083



96, 6.502, 297.071



51, 3.698, 273.165



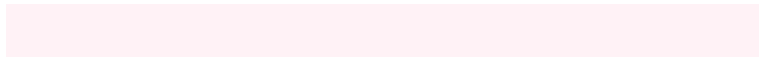
32, 80.798, 297.477



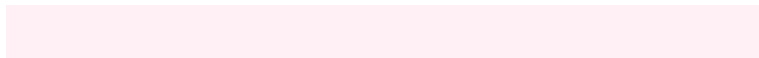
8, 32.424, 292.468

Inverse Universe

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



97, 4.916, 355.014



96, 5.996, 355.138



100, 6.415, 116.351



51, 3.982, 355.211



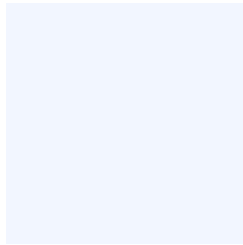
40, 70.076, 19.545



10, 31.391, 11.399

Previews

White Background



This preview shows how the CIELCh color 97, 5.285, 275.477 looks on a white background.

Color Contrast Check

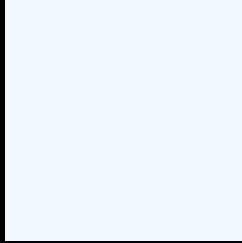
Large Text (above 18pt) WCAG AA × Fail

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, 5.285, 275.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

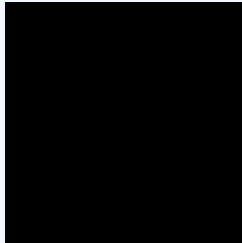
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

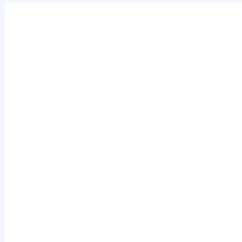
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 5.285, 275.477

Background



This preview shows how black text looks on a background with the CIELCh color 97, 5.285, 275.477.

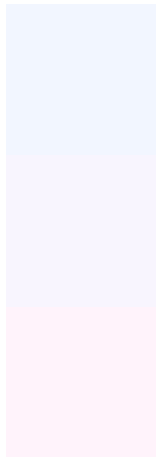


This preview shows how white text looks on a background with the CIELCh color 97, 5.285, 275.477.

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, 4.790, 273.817

Protanopia

97, 4.743, 303.226

Deuteranopia

97, 5.909, 335.926



Tritanopia
97, 4.617, 286.251

Trichromacy



Original Color
97, 4.790, 273.817

Protanomaly
97, 4.098, 290.507

Deuteranomaly
97, 4.630, 317.380

Tritanomaly
97, 4.650, 282.004

Monochromacy



Original Color
97, 4.790, 273.817

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 1.578, 277.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 5.285, 275.477 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(242, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 246, 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(242, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 246, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 5.285, 275.477 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(242, 246, 255) }
```

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

```
.border{ border-color:rgb(242, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 246,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 5.285, 275.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 246, 255) }
```

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

```
.background{ background-color: rgb(242,  
246, 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