

Converting Colors

CIELCh(98, 24.666, 286.809)

Have a look what the booklet for
CIELCh(98, 24.666, 286.809)
contains.

CIELCh(97, 4.715, 259.792)	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, 4.715, 259.792)

Conversions

Conversions Part 1

Format	Color
Hex	F0F7FF
RGB	240, 247, 255
RGB Percent	94%, 97%, 100%
CMY	0.0580, 0.0306, 0.0000
CMYK	0.06, 0.03, 0.00, 0.00
HSL	212°, 100%, 97%
HSV	212°, 6%, 100%
XYZ	87.4103, 92.4403, 108.0163
YIQ	245.8190, -6.7400, 1.0040

Conversions

Conversions Part 2

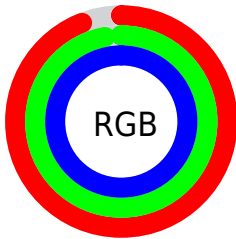
Format	Color
R _Y B	240, 245, 255
Decimal	15792127
CIE Lab	97.00, -0.84, -4.64
CIE LCh	97, 4.715, 259.792
Yxy	92.4403, 0.3036, 0.3211
Android (android.graphics.Color)	4293982207 (0xFFFF0F7FF)
YUV	245.8190, 4.5262, -5.1033
Hunter-Lab	96.1459, -5.9733, 0.6920

Details

The CIELCh color **97, 4.715, 259.792** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98, 4.664, 77.429**, 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, 4.488, 256.395** is the 20% darker color. If you saturate the color by 10%, you get **92, 12.552, 260.504**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

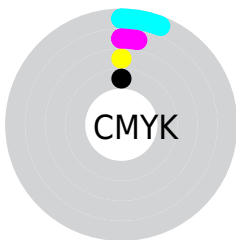
Distribution



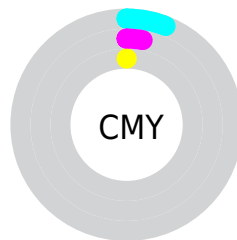
- Red (94%)
- Green (97%)
- Blue (100%)



- Red (94%)
- Yellow (96%)
- Blue (100%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 4.715, 259.792 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, 4.715, 259.792 by changing the saturation by 10% instead.

97, 4.715, 259.792

97, 4.715, 259.792

100, 4.715,
259.792

87, 4.715, 259.792

77, 4.715, 259.792

67, 4.715, 259.792

57, 4.715, 259.792

47, 4.715, 259.792

37, 4.715, 259.792

27, 4.715, 259.792

17, 4.715, 259.792

7, 4.715, 259.792

97, 4.715, 259.792

97, 4.715, 259.792

92, 12.552,
260.504

100, 0.012,
296.813

87, 20.423,
262.243

82, 28.216,
264.318

77, 35.916,
266.783

72, 43.528,
269.693

67, 51.088,
273.084

63, 58.668,
276.948

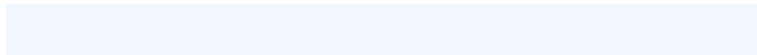
58, 66.368,
281.202

■ 54, 74.282,
285.669

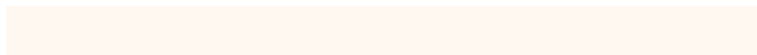
Harmonies

Complementary

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



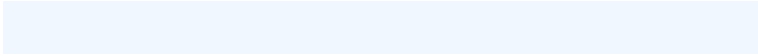
97, 4.715, 259.792



98, 4.664, 77.429

Rectangle

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



97, 4.715, 259.792



97, 4.715, 309.792



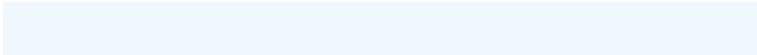
97, 4.715, 79.792



97, 4.715, 129.792

Sweetspot

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



97, 4.624, 259.082



99, 1.601, 258.750



99, 6.349, 164.148



53, 0.910, 258.751



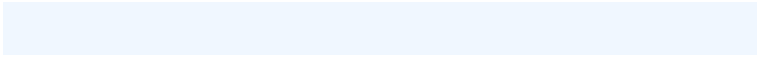
0, 0.000, 0.000



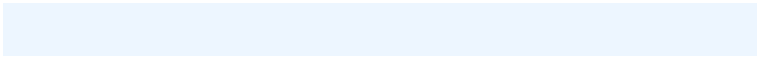
53, 0.007, 296.813

Same Dimension

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



97, 4.624, 259.082



96, 5.576, 259.231



95, 7.606, 291.412



51, 3.622, 259.309



40, 61.468, 286.683



11, 24.899, 280.343

Inverse Universe

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



96, 6.369, 345.522



95, 7.696, 345.641



100, 7.490, 110.280



50, 5.005, 345.700



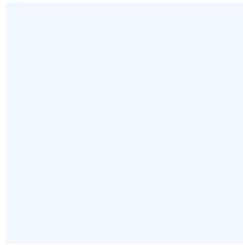
41, 68.044, 4.664



10, 31.643, 358.657

Previews

White Background



This preview shows how the CIELCh color 97, 4.715, 259.792 looks on a white background.

Color Contrast Check

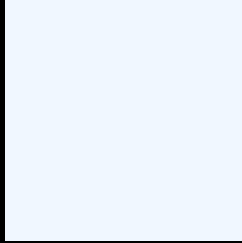
Large Text (above 18pt) WCAG AA × Fail

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, 4.715, 259.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

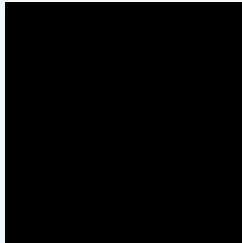
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

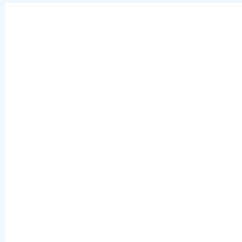
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 4.715, 259.792

Background



This preview shows how black text looks on a background with the CIELCh color 97, 4.715, 259.792.

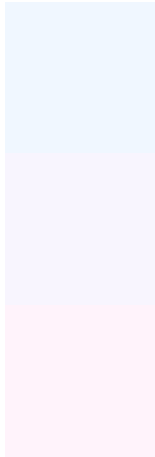


This preview shows how white text looks on a background with the CIELCh color 97, 4.715, 259.792.

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, 4.715, 259.792

Protanopia

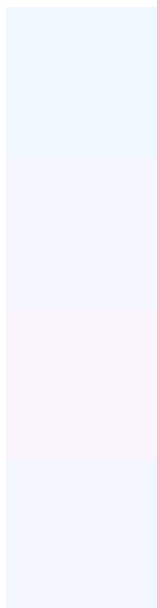
97, 4.743, 303.226

Deuteranopia

97, 5.909, 335.926

Tritanopia
97, 4.650, 282.004

Trichromacy



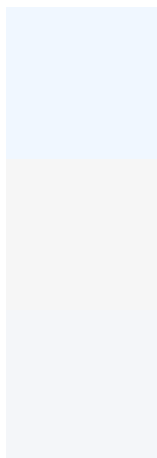
Original Color
97, 4.715, 259.792

Protanomaly
97, 4.108, 285.673

Deuteranomaly
97, 4.011, 316.246

Tritanomaly
97, 4.708, 277.847

Monochromacy



Original Color
97, 4.715, 259.792

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, 4.715, 259.792 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(240, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 247, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 4.715, 259.792 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(240, 247, 255) }
```

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

```
.border{ border-color:rgb(240, 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(240, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 247,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 4.715, 259.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 247, 255) }
```

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

```
.background{ background-color: rgb(240,  
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](#).

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