

Converting Colors

CIELCh(96, 7.037, 229.832)

Have a look what the booklet for
CIELCh(96, 7.037, 229.832) contains.

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Color

CIELCh(96, 7.042, 229.835)

Conversions

Conversions Part 1

Format	Color
Hex	E5F7FE
RGB	229, 247, 254
RGB Percent	90%, 97%, 100%
CMY	0.1035, 0.0329, 0.0055
CMYK	0.10, 0.03, 0.00, 0.01
HSL	197°, 90%, 95%
HSV	197°, 10%, 99%
XYZ	83.1577, 90.0078, 106.4271
YIQ	242.4160, -12.9750, -1.6390

Conversions

Conversions Part 2

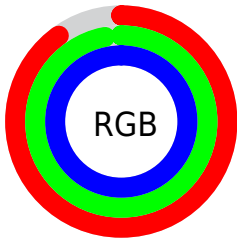
Format	Color
R _Y B	229, 239, 254
Decimal	15071230
CIE Lab	96.00, -4.54, -5.38
CIE LCh	96, 7.042, 229.835
Yxy	90.0078, 0.2974, 0.3219
Android (android.graphics.Color)	4293261310 (0xFFE5F7FE)
YUV	242.4160, 5.7109, -11.7658
Hunter-Lab	94.8724, -9.5678, -0.1003

Details

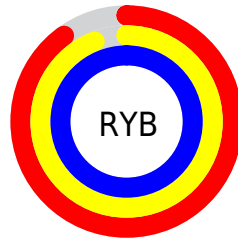
The CIELCh color **96, 7.042, 229.835** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 7.446, 48.429**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 7.100, 226.152** is the 20% darker color. If you saturate the color by 10%, you get **93, 13.843, 230.649**, and if you desaturate by 10%, it is **100, 0.102, 42.976**.

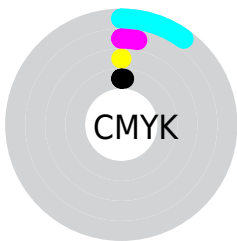
Distribution



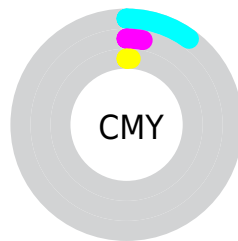
- Red (90%)
- Green (97%)
- Blue (100%)



- Red (90%)
- Yellow (94%)
- Blue (100%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)



- Cyan (10%)
- Magenta (3%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 7.042, 229.835 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 96, 7.042, 229.835 by changing the saturation by 10% instead.

 96, 7.042, 229.835

 96, 7.042, 229.835

 100, 7.042,
229.835

 86, 7.042, 229.835

 76, 7.042, 229.835

 66, 7.042, 229.835

 56, 7.042, 229.835

 46, 7.042, 229.835

 36, 7.042, 229.835

 26, 7.042, 229.835

 16, 7.042, 229.835

 6, 7.042, 229.835

96, 7.042, 229.835

96, 7.042, 229.835

93, 13.843,
230.649

100, 0.102, 42.976

89, 20.213,
231.766

100, 0.694,
110.015

86, 26.059,
233.214

83, 31.290,
235.070

80, 35.835,
237.426

77, 39.664,
240.377

75, 42.807,
244.004

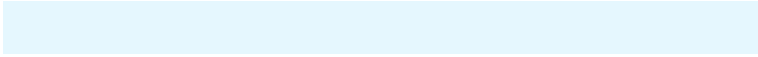
72, 45.387,
248.343

■ 70, 47.654,
253.255

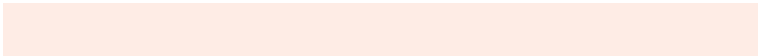
Harmonies

Complementary

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



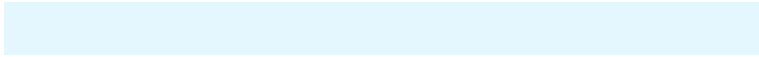
96, 7.042, 229.835



94, 7.446, 48.429

Rectangle

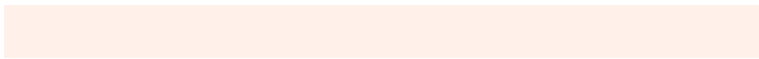
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 7.042, 229.835



96, 7.042, 279.835



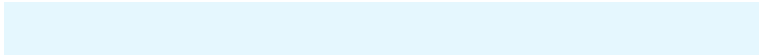
96, 7.042, 49.835



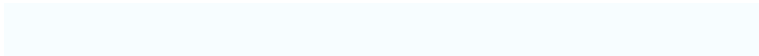
96, 7.042, 99.835

Sweetspot

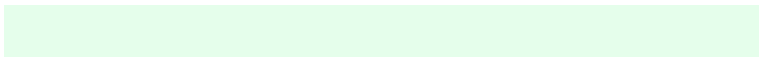
The Sweet Spot groups the original color and five complimentary colors.



96, 7.042, 229.816



99, 2.187, 229.531



97, 12.919, 152.320



53, 1.654, 229.523



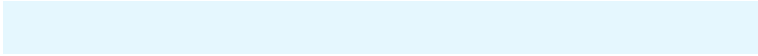
0, 0.000, 0.000



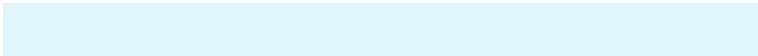
53, 0.007, 296.813

Same Dimension

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



96, 7.042, 229.816



96, 8.570, 229.970



93, 10.054, 279.572



51, 4.084, 229.793



54, 38.304, 252.394



17, 16.894, 245.580

Inverse Universe

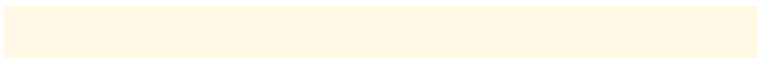
The Inverse Universe completely reimagines the original color for something new.



93, 12.855, 334.120



92, 15.746, 334.276



97, 9.962, 97.149



50, 7.447, 334.095



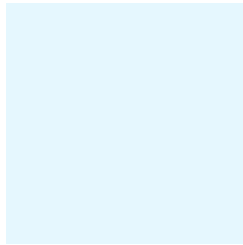
43, 75.298, 343.472



11, 35.448, 341.144

Previews

White Background



This preview shows how the CIELCh color 96, 7.042, 229.835 looks on a white background.

Color Contrast Check

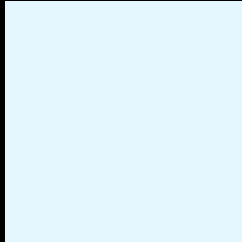
Large Text (above 18pt) WCAG AA × Fail

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 96, 7.042, 229.835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

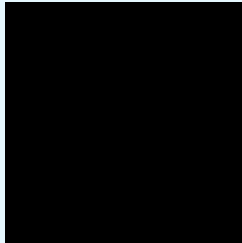
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

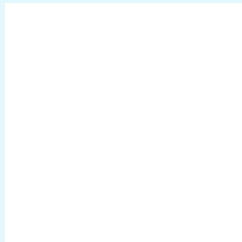
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 7.042, 229.835

Background



This preview shows how black text looks on a background with the CIELCh color 96, 7.042, 229.835.

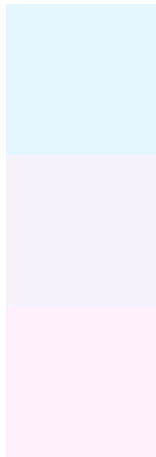


This preview shows how white text looks on a background with the CIELCh color 96, 7.042, 229.835.

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

96, 7.042, 229.835

Protanopia

96, 4.753, 303.229

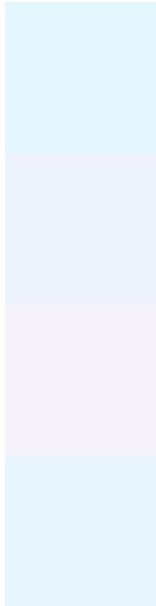
Deuteranopia

96, 8.376, 332.702



Tritanopia
96, 6.227, 264.506

Trichromacy



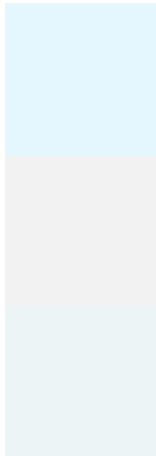
Original Color
96, 7.042, 229.835

Protanomaly
96, 4.427, 267.548

Deuteranomaly
96, 5.254, 302.020

Tritanomaly
96, 6.117, 248.372

Monochromacy



Original Color
96, 7.042, 229.835

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 2.632, 222.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 7.042, 229.835 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(229, 247, 254)` looks like.

```
.text, #text, p{  
    color:rgb(229, 247, 254)  
}
```

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(229, 247, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 247, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 7.042, 229.835 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(229, 247, 254) }
```

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

```
.border{ border-color:rgb(229, 247, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 247, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 247, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 247, 254); box-shadow:4px 4px 4px 4px rgb(229, 247, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 7.042, 229.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 247, 254) }
```

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

```
.background{ background-color: rgb(229,  
247, 254) }
```

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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