

Converting Colors

CIELCh(96, 6.795, 225.639)

Have a look what the booklet for
CIELCh(96, 6.795, 225.639) contains.

CIELCh(96, 6.815, 226.011)	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(96, 6.815, 226.011)

Conversions

Conversions Part 1

Format	Color
Hex	E5F7FD
RGB	229, 247, 253
RGB Percent	90%, 97%, 99%
CMY	0.1032, 0.0326, 0.0091
CMYK	0.09, 0.02, 0.00, 0.01
HSL	195°, 84%, 94%
HSV	195°, 9%, 99%
XYZ	83.0580, 90.0078, 105.6597
YIQ	242.3020, -12.6540, -1.9500

Conversions

Conversions Part 2

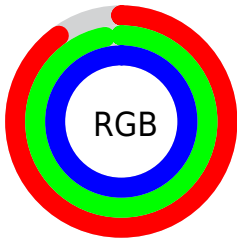
Format	Color
R _Y B	229, 239, 253
Decimal	15071229
CIE Lab	96.00, -4.73, -4.90
CIE LCh	96, 6.815, 226.011
Yxy	90.0078, 0.2980, 0.3229
Android (android.graphics.Color)	4293261309 (0xFFE5F7FD)
YUV	242.3020, 5.2741, -11.6659
Hunter-Lab	94.8724, -9.7553, 0.3792

Details

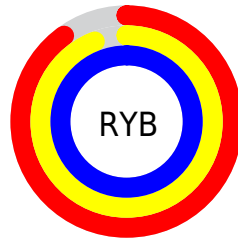
The CIELCh color **96, 6.815, 226.011** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 7.210, 44.907**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 6.898, 222.039** is the 20% darker color. If you saturate the color by 10%, you get **93, 13.632, 226.656**, and if you desaturate by 10%, it is **99, 0.366, 43.655**.

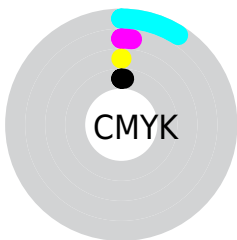
Distribution



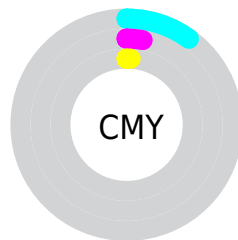
- Red (90%)
- Green (97%)
- Blue (99%)



- Red (90%)
- Yellow (94%)
- Blue (99%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 6.815, 226.011 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, 6.815, 226.011 by changing the saturation by 10% instead.

 96, 6.815, 226.011

 96, 6.815, 226.011

 100, 6.815,
226.011

 86, 6.815, 226.011

 76, 6.815, 226.011

 66, 6.815, 226.011

 56, 6.815, 226.011

 46, 6.815, 226.011

 36, 6.815, 226.011

 26, 6.815, 226.011

 16, 6.815, 226.011

 6, 6.815, 226.011

96, 6.815, 226.011

96, 6.815, 226.011

93, 13.632,
226.656

99, 0.366, 43.655

90, 19.988,
227.584

100, 1.163,
110.025

87, 25.783,
228.816

84, 30.916,
230.423

81, 35.304,
232.493

79, 38.902,
235.120

76, 41.725,
238.395

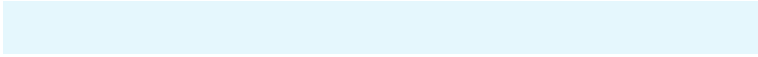
74, 43.875,
242.373

■ 72, 45.590,
246.975

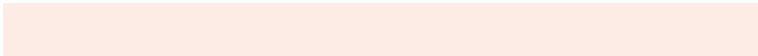
Harmonies

Complementary

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



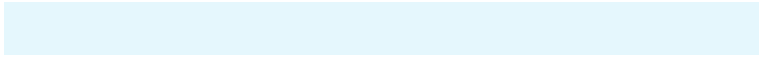
96, 6.815, 226.011



94, 7.210, 44.907

Rectangle

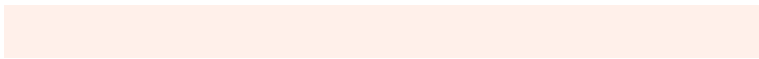
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 6.815, 226.011



96, 6.815, 276.011



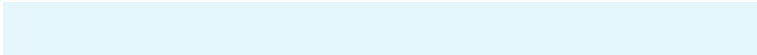
96, 6.815, 46.011



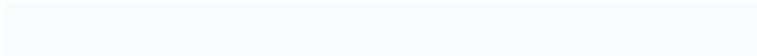
96, 6.815, 96.011

Sweetspot

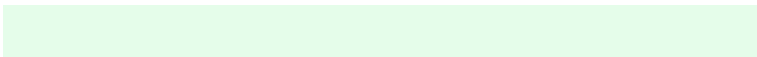
The Sweet Spot groups the original color and five complimentary colors.



96, 6.815, 225.992



99, 2.203, 225.826



97, 12.714, 151.111



53, 1.667, 225.807



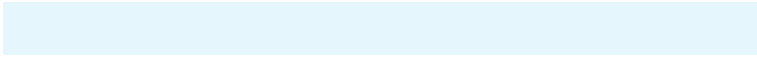
0, 0.000, 0.000



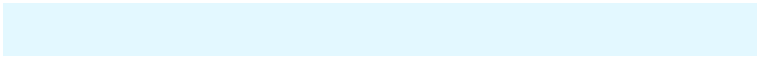
53, 0.007, 296.813

Same Dimension

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



96, 6.815, 225.992



96, 7.925, 226.074



93, 9.299, 277.324



51, 4.111, 225.993



56, 36.868, 246.337



18, 16.489, 239.974

Inverse Universe

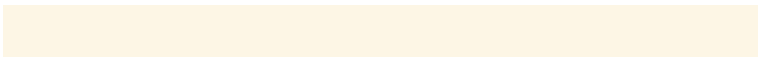
The Inverse Universe completely reimagines the original color for something new.



93, 12.612, 332.926



93, 14.735, 333.032



97, 9.241, 94.929



50, 7.608, 332.927



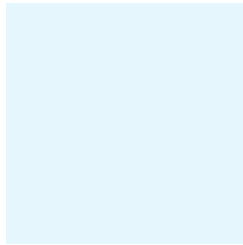
43, 76.857, 341.389



11, 36.126, 339.421

Previews

White Background



This preview shows how the CIELCh color 96, 6.815, 226.011 looks on a white background.

Color Contrast Check

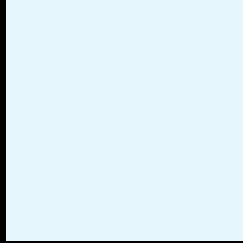
Large Text (above 18pt) WCAG AA × Fail

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, 6.815, 226.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

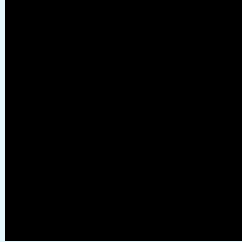
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

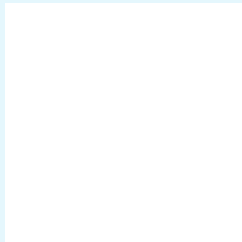
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 6.815, 226.011

Background



This preview shows how black text looks on a background with the CIELCh color 96, 6.815, 226.011.

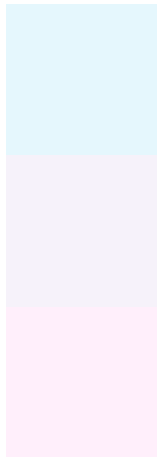


This preview shows how white text looks on a background with the CIELCh color 96, 6.815, 226.011.

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, 6.815, 226.011

Protanopia

96, 4.358, 309.177

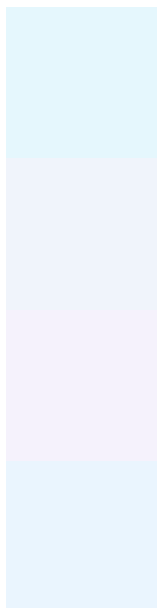
Deuteranopia

96, 8.376, 332.702



Tritanopia
96, 6.091, 267.411

Trichromacy



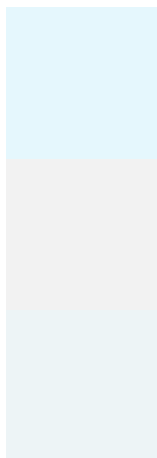
Original Color
96, 6.815, 226.011

Protanomaly
96, 3.830, 269.269

Deuteranomaly
96, 5.254, 302.020

Tritanomaly
96, 5.902, 250.861

Monochromacy



Original Color
96, 6.815, 226.011

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, 6.815, 226.011 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(229, 247, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 247, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 6.815, 226.011 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, 253) }
```

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

```
.border{ border-color:rgb(229, 247, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 247, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 247, 253);  
box-shadow:4px 4px 4px 4px rgb(229, 247,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 6.815, 226.011 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, 253) }
```

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

```
.background{ background-color: rgb(229,  
247, 253) }
```

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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