

Converting Colors

CIELCh(100, 64.514, 288.997)

Have a look what the booklet for
CIELCh(100, 64.514, 288.997)
contains.

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Color

CIELCh(96, 9.006, 226.186)

Conversions

Conversions Part 1

Format	Color
Hex	E0F8FF
RGB	224, 248, 255
RGB Percent	88%, 97%, 100%
CMY	0.1228, 0.0286, 0.0000
CMYK	0.12, 0.03, 0.00, 0.00
HSL	194°, 100%, 94%
HSV	194°, 12%, 100%
XYZ	82.2776, 90.0078, 108.2344
YIQ	241.6220, -16.5510, -2.9110

Conversions

Conversions Part 2

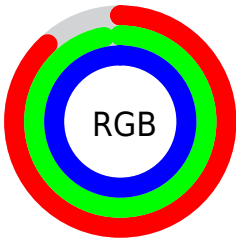
Format	Color
R _Y B	224, 238, 255
Decimal	14743807
CIE Lab	96.00, -6.24, -6.50
CIE LCh	96, 9.006, 226.186
Yxy	90.0078, 0.2933, 0.3209
Android (android.graphics.Color)	4292933887 (0xFFE0F8FF)
YUV	241.6220, 6.5954, -15.4545
Hunter-Lab	94.8724, -11.2236, -1.2298

Details

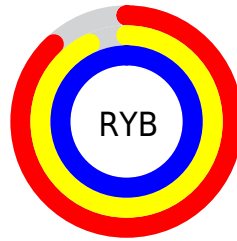
The CIELCh color **96, 9.006, 226.186** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **93, 9.567, 42.907**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 8.655, 220.861** is the 20% darker color. If you saturate the color by 10%, you get **93, 15.637, 224.684**, and if you desaturate by 10%, it is **99, 1.688, 223.854**.

Distribution



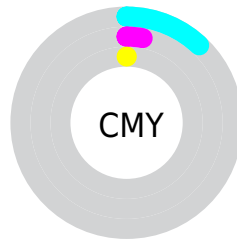
- Red (88%)
- Green (97%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 9.006, 226.186 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, 9.006, 226.186 by changing the saturation by 10% instead.

96, 9.006, 226.186

96, 9.006, 226.186

100, 9.006,
226.186

86, 9.006, 226.186

76, 9.006, 226.186

66, 9.006, 226.186

56, 9.006, 226.186

46, 9.006, 226.186

36, 9.006, 226.186

26, 9.006, 226.186

16, 9.006, 226.186

6, 9.006, 226.186

■ 96, 9.006, 226.186

■ 96, 9.006, 226.186

■ 93, 15.637,
224.684

■ 99, 1.688, 223.854

■ 90, 21.896,
225.586

100, 0.012,
296.813

■ 87, 27.537,
226.792

■ 84, 32.456,
228.377

■ 82, 36.572,
230.428

■ 79, 39.847,
233.038

■ 77, 42.311,
236.295

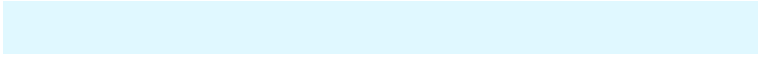
■ 75, 44.087,
240.249

■ 74, 45.173,
243.690

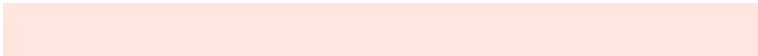
Harmonies

Complementary

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



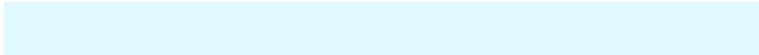
96, 9.006, 226.186



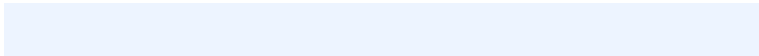
93, 9.567, 42.907

Rectangle

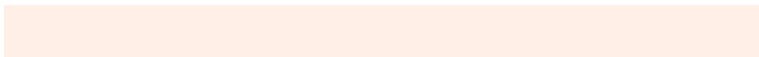
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 9.006, 226.186



96, 9.006, 276.186



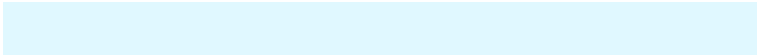
96, 9.006, 46.186



96, 9.006, 96.186

Sweetspot

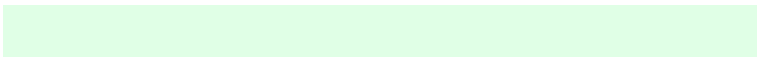
The Sweet Spot groups the original color and five complimentary colors.



96, 8.867, 224.039



99, 2.947, 223.765



97, 16.795, 150.305



52, 2.091, 223.765



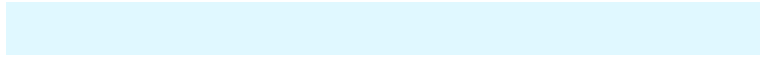
0, 0.000, 0.000



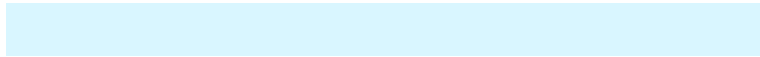
53, 0.007, 296.813

Same Dimension

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



96, 8.867, 224.039



95, 10.752, 224.190



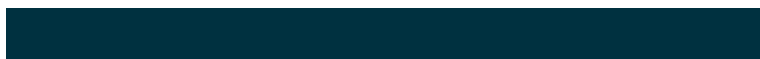
92, 11.926, 276.549



52, 4.134, 223.906



57, 36.245, 242.832



18, 16.329, 236.790

Inverse Universe

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



92, 16.661, 332.490



91, 20.381, 332.677



97, 11.866, 93.396



50, 7.699, 332.299



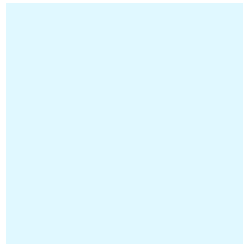
43, 77.772, 340.281



11, 36.517, 338.500

Previews

White Background



This preview shows how the CIELCh color 96, 9.006, 226.186 looks on a white background.

Color Contrast Check

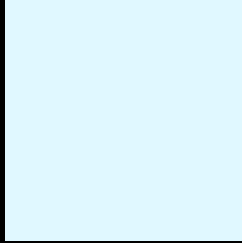
Large Text (above 18pt) WCAG AA × Fail

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, 9.006, 226.186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

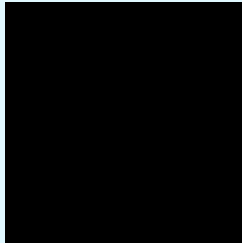
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 9.006, 226.186

Background



This preview shows how black text looks on a background with the CIELCh color 96, 9.006, 226.186.

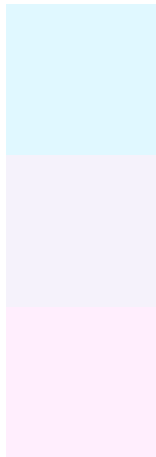


This preview shows how white text looks on a background with the CIELCh color 96, 9.006, 226.186.

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

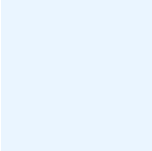
96, 8.804, 223.112

Protanopia

96, 4.753, 303.229

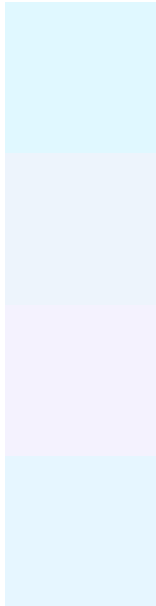
Deuteranopia

96, 9.778, 328.170



Tritanopia
96, 6.300, 253.916

Trichromacy



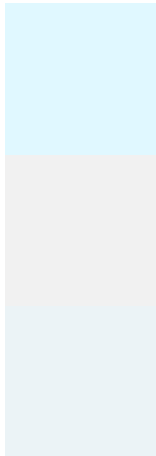
Original Color
96, 8.804, 223.112

Protanomaly
96, 4.726, 259.800

Deuteranomaly
96, 6.210, 297.055

Tritanomaly
96, 7.066, 240.063

Monochromacy



Original Color
96, 8.804, 223.112

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 3.159, 228.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 9.006, 226.186 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(224, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 248, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 9.006, 226.186 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(224, 248, 255) }
```

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

```
.border{ border-color:rgb(224, 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(224, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 248,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 9.006, 226.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 248, 255) }
```

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

```
.background{ background-color: rgb(224,  
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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