

Converting Colors

CIELCh(96, 9.578, 218.151)

Have a look what the booklet for
CIELCh(96, 9.578, 218.151) contains.

CIELCh(96, 9.710, 220.690)	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, 9.710, 220.690)

Conversions

Conversions Part 1

Format	Color
Hex	DDF8FF
RGB	221, 248, 255
RGB Percent	87%, 97%, 100%
CMY	0.1320, 0.0261, 0.0000
CMYK	0.13, 0.03, 0.00, 0.00
HSL	192°, 100%, 93%
HSV	192°, 13%, 100%
XYZ	81.6949, 90.0078, 107.9613
YIQ	240.7250, -18.3390, -3.5470

Conversions

Conversions Part 2

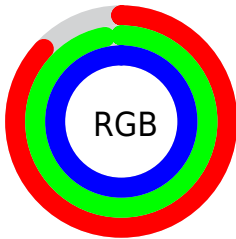
Format	Color
R _Y B	221, 236, 255
Decimal	14547199
CIE Lab	96.00, -7.36, -6.33
CIE LCh	96, 9.710, 220.690
Yxy	90.0078, 0.2921, 0.3218
Android (android.graphics.Color)	4292737279 (0xFFDDDF8FF)
YUV	240.7250, 7.0376, -17.2988
Hunter-Lab	94.8724, -12.3199, -1.0591

Details

The CIELCh color `96, 9.710, 220.690` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `93, 10.515, 38.944`, 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, 9.604, 218.529` is the 20% darker color. If you saturate the color by 10%, you get `93, 16.464, 220.152`, and if you desaturate by 10%, it is `99, 2.404, 219.563`.

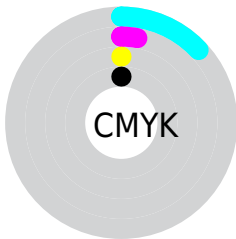
Distribution



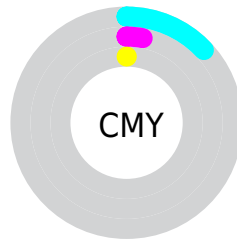
- Red (87%)
- Green (97%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 9.710, 220.690 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, 9.710, 220.690 by changing the saturation by 10% instead.

 96, 9.710, 220.690

 96, 9.710, 220.690

 100, 9.710,
220.690

 86, 9.710, 220.690

 76, 9.710, 220.690

 66, 9.710, 220.690

 56, 9.710, 220.690

 46, 9.710, 220.690

 36, 9.710, 220.690

 26, 9.710, 220.690

 16, 9.710, 220.690

 6, 9.710, 220.690

96, 9.710, 220.690

96, 9.710, 220.690

93, 16.464,
220.152

99, 2.404, 219.563

90, 22.712,
220.844

100, 0.012,
296.813

88, 28.286,
221.807

85, 33.074,
223.108

83, 36.986,
224.824

81, 39.976,
227.040

79, 42.067,
229.841

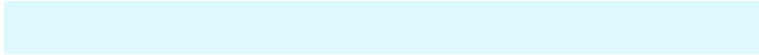
78, 43.373,
233.284

■ 76, 43.974,
235.932

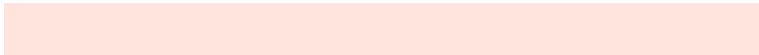
Harmonies

Complementary

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



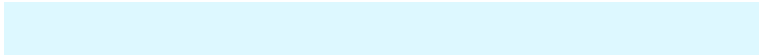
96, 9.710, 220.690



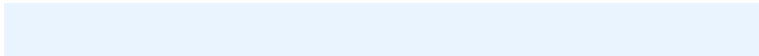
93, 10.515, 38.944

Rectangle

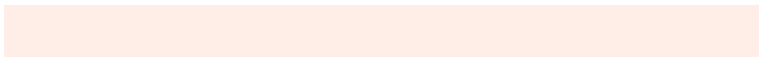
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 9.710, 220.690



96, 9.710, 270.690



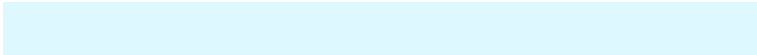
96, 9.710, 40.690



96, 9.710, 90.690

Sweetspot

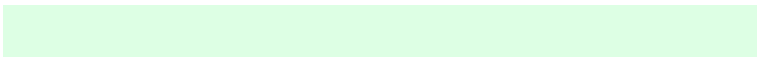
The Sweet Spot groups the original color and five complimentary colors.



96, 9.657, 219.687



99, 2.996, 219.530



97, 18.508, 149.089



53, 2.125, 219.517



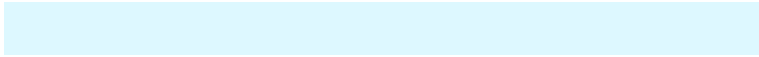
0, 0.000, 0.000



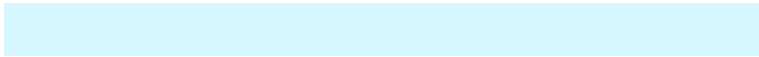
53, 0.007, 296.813

Same Dimension

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



96, 9.657, 219.687



95, 11.610, 219.795



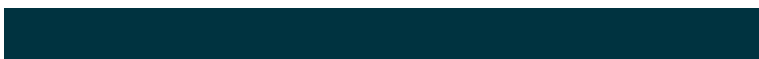
92, 12.358, 274.236



52, 4.200, 219.574



59, 35.358, 235.181



19, 16.147, 229.969

Inverse Universe

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



92, 18.376, 331.263



90, 22.300, 331.448



97, 12.352, 90.762



50, 7.895, 331.018



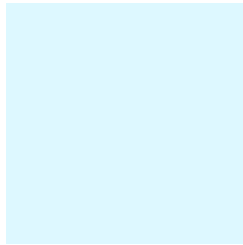
43, 79.813, 338.049



11, 37.381, 336.638

Previews

White Background



This preview shows how the CIELCh color 96, 9.710, 220.690 looks on a white background.

Color Contrast Check

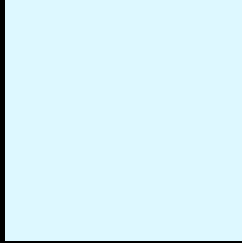
Large Text (above 18pt) WCAG AA × Fail

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, 9.710, 220.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

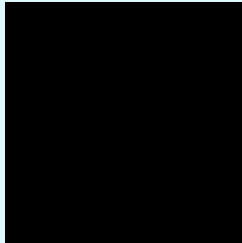
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

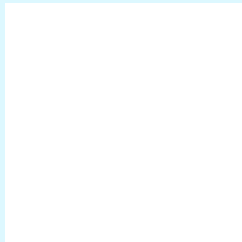
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 9.710, 220.690

Background



This preview shows how black text looks on a background with the CIELCh color 96, 9.710, 220.690.

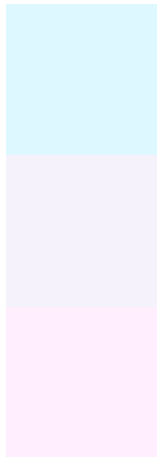


This preview shows how white text looks on a background with the CIELCh color 96, 9.710, 220.690.

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

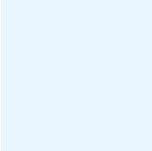
96, 9.710, 220.690

Protanopia

96, 4.753, 303.229

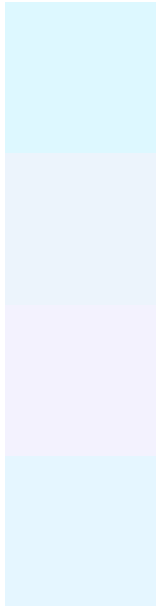
Deuteranopia

96, 9.778, 328.170



Tritanopia
96, 6.501, 251.484

Trichromacy



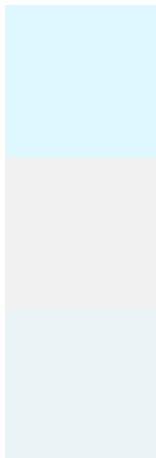
Original Color
96, 9.710, 220.690

Protanomaly
96, 4.903, 256.319

Deuteranomaly
96, 6.176, 293.868

Tritanomaly
96, 7.321, 238.340

Monochromacy



Original Color
96, 9.710, 220.690

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 3.606, 215.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 9.710, 220.690 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(221, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 248, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 9.710, 220.690 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(221, 248, 255) }
```

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

```
.border{ border-color:rgb(221, 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(221, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 248,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 9.710, 220.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 248, 255) }
```

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

```
.background{ background-color: rgb(221,  
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](#).

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