

Converting Colors

CIELCh(100, 60.689, 287.006)

Have a look what the booklet for
CIELCh(100, 60.689, 287.006)
contains.

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Color

CIELCh(96, 10.175, 216.526)

Conversions

Conversions Part 1

Format	Color
Hex	DCF9FF
RGB	220, 249, 255
RGB Percent	86%, 98%, 100%
CMY	0.1381, 0.0243, 0.0008
CMYK	0.14, 0.02, 0.00, 0.00
HSL	190°, 99%, 93%
HSV	190°, 14%, 100%
XYZ	81.2760, 90.0078, 107.5160
YIQ	241.0130, -19.2100, -4.2820

Conversions

Conversions Part 2

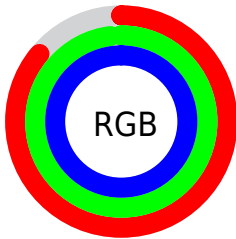
Format	Color
R _Y B	220, 236, 255
Decimal	14481919
CIE Lab	96.00, -8.18, -6.06
CIE LCh	96, 10.175, 216.526
Yxy	90.0078, 0.2915, 0.3228
Android (android.graphics.Color)	4292671999 (0xFFDC9FF)
YUV	241.0130, 6.8956, -18.4284
Hunter-Lab	94.8724, -13.1080, -0.7808

Details

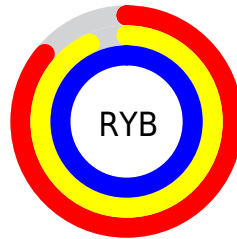
The CIELCh color **96, 10.175, 216.526** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **92, 11.137, 36.104**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 10.112, 214.229** is the 20% darker color. If you saturate the color by 10%, you get **93, 17.039, 216.838**, and if you desaturate by 10%, it is **99, 2.841, 216.479**.

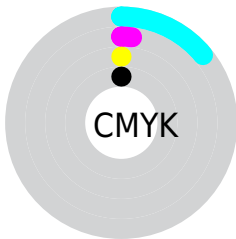
Distribution



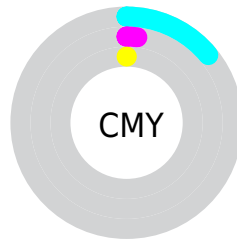
- Red (86%)
- Green (98%)
- Blue (100%)



- Red (86%)
- Yellow (93%)
- Blue (100%)



- Cyan (14%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (2%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 10.175, 216.526 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, 10.175, 216.526 by changing the saturation by 10% instead.


 96, 10.175,
216.526


 96, 10.175,
216.526


 100, 10.175,
216.526


 86, 10.175,
216.526

 76, 10.175,
216.526

 66, 10.175,
216.526

 56, 10.175,
216.526

 46, 10.175,
216.526

 36, 10.175,
216.526

 26, 10.175,

216.526

■ 16, 10.175,
216.526

■ 6, 10.175, 216.526

■ 96, 10.175,
216.526

■ 96, 10.175,
216.526

■ 93, 17.039,
216.838

■ 99, 2.841, 216.479

■ 91, 23.313,
217.365

100, 0.097,
109.371

■ 88, 28.876,
218.136

■ 86, 33.611,
219.207

■ 84, 37.424,
220.647

■ 82, 40.264,
222.531

■ 81, 42.149,
224.936

■ 79, 43.186,
227.919

■ 78, 43.550,
230.036

Harmonies

Complementary

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



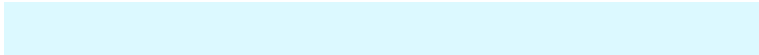
96, 10.175, 216.526



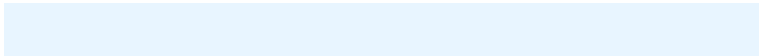
92, 11.137, 36.104

Rectangle

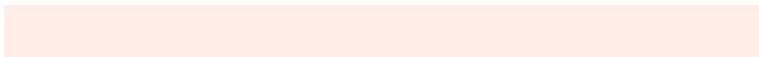
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 10.175, 216.526



96, 10.175, 266.526



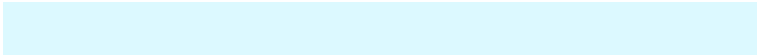
96, 10.175, 36.526



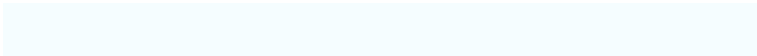
96, 10.175, 86.526

Sweetspot

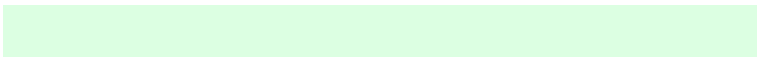
The Sweet Spot groups the original color and five complimentary colors.



96, 10.175, 216.514



99, 3.042, 216.468



97, 19.479, 148.496



53, 2.158, 216.445



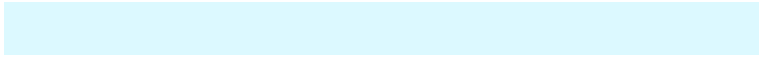
0, 0.000, 0.000



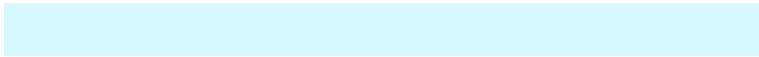
53, 0.007, 296.813

Same Dimension

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



96, 10.175, 216.514



95, 11.783, 216.570



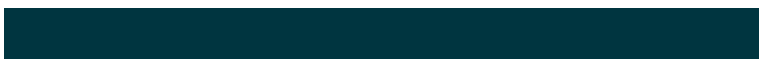
92, 12.615, 273.023



52, 4.264, 216.440



60, 35.085, 229.385



20, 16.148, 224.896

Inverse Universe

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



91, 19.469, 330.376



90, 22.718, 330.522



96, 12.643, 89.369



50, 8.044, 330.103



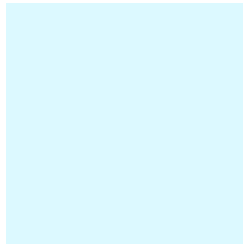
44, 81.419, 336.484



12, 38.052, 335.323

Previews

White Background



This preview shows how the CIE LCh color 96, 10.175, 216.526 looks on a white background.

Color Contrast Check

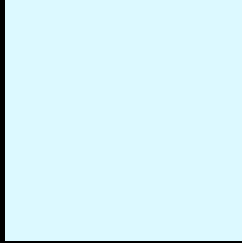
Large Text (above 18pt) WCAG AA × Fail

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, 10.175, 216.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

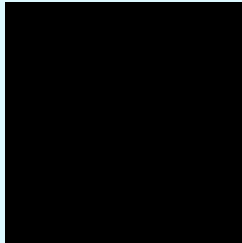
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 10.175, 216.526

Background



This preview shows how black text looks on a background with the CIELCh color 96, 10.175, 216.526.

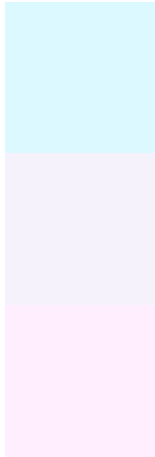


This preview shows how white text looks on a background with the CIELCh color 96, 10.175, 216.526.

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, 10.175, 216.526

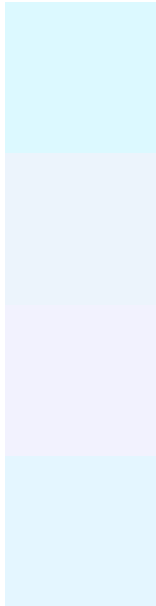
Protanopia
96, 4.753, 303.229

Deuteranopia
96, 9.778, 328.170



Tritanopia
96, 6.501, 251.484

Trichromacy



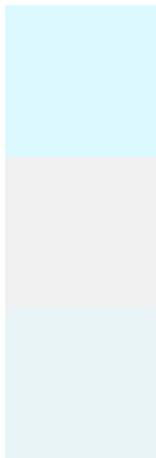
Original Color
96, 10.175, 216.526

Protanomaly
96, 4.903, 256.319

Deuteranomaly
96, 6.161, 290.662

Tritanomaly
96, 7.582, 236.737

Monochromacy



Original Color
96, 10.175, 216.526

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 3.936, 214.455

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 10.175, 216.526 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(220, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 249, 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(220, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 249, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 10.175, 216.526 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(220, 249, 255) }
```

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

```
.border{ border-color:rgb(220, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 249,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 10.175, 216.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 249, 255) }
```

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

```
.background{ background-color: rgb(220,  
249, 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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