

Converting Colors

CIELCh(96, 8.420, 226.135)

Have a look what the booklet for
CIELCh(96, 8.420, 226.135) contains.

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Color

CIELCh(96, 8.425, 228.262)

Conversions

Conversions Part 1

Format	Color
Hex	E1F7FF
RGB	225, 247, 255
RGB Percent	88%, 97%, 100%
CMY	0.1164, 0.0301, 0.0000
CMYK	0.12, 0.03, 0.00, 0.00
HSL	196°, 100%, 94%
HSV	196°, 12%, 100%
XYZ	82.6024, 90.0078, 107.8900
YIQ	241.3340, -15.6800, -2.1760

Conversions

Conversions Part 2

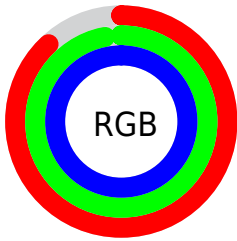
Format	Color
R _Y B	225, 238, 255
Decimal	14809087
CIE _{Lab}	96.00, -5.61, -6.29
CIE _{LCh}	96, 8.425, 228.262
Y _{xy}	90.0078, 0.2945, 0.3209
Android (android.graphics.Color)	4292999167 (0xFFE1F7FF)
Y _{UV}	241.3340, 6.7373, -14.3249
Hunter-Lab	94.8724, -10.6124, -1.0146

Details

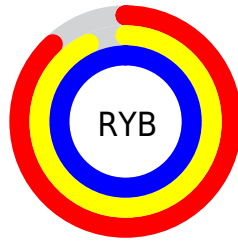
The CIELCh color `96, 8.425, 228.262` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `94, 8.955, 45.883`, and the grayscale version is `95, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `76, 8.235, 226.273` is the 20% darker color. If you saturate the color by 10%, you get `93, 15.123, 228.025`, and if you desaturate by 10%, it is `99, 1.209, 227.092`.

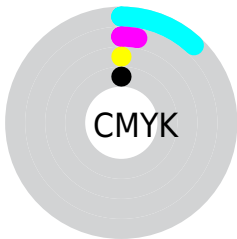
Distribution



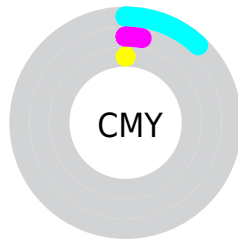
- Red (88%)
- Green (97%)
- Blue (100%)



- 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, 8.425, 228.262 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, 8.425, 228.262 by changing the saturation by 10% instead.

 96, 8.425, 228.262

 96, 8.425, 228.262

 100, 8.425,
228.262

 86, 8.425, 228.262

 76, 8.425, 228.262

 66, 8.425, 228.262

 56, 8.425, 228.262

 46, 8.425, 228.262

 36, 8.425, 228.262

 26, 8.425, 228.262

 16, 8.425, 228.262

 6, 8.425, 228.262

96, 8.425, 228.262

96, 8.425, 228.262

93, 15.123,
228.025

99, 1.209, 227.092

89, 21.415,
229.071

100, 0.012,
296.813

86, 27.132,
230.442

84, 32.178,
232.217

81, 36.478,
234.486

78, 40.001,
237.345

76, 42.786,
240.879

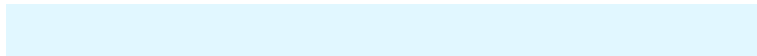
74, 44.960,
245.123

■ 72, 46.514,
249.103

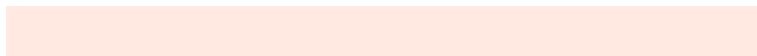
Harmonies

Complementary

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



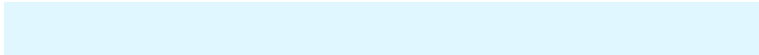
96, 8.425, 228.262



94, 8.955, 45.883

Rectangle

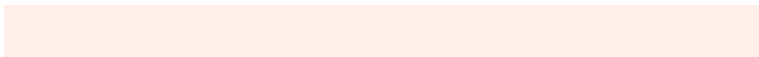
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 8.425, 228.262



96, 8.425, 278.262



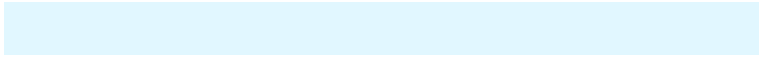
96, 8.425, 48.262



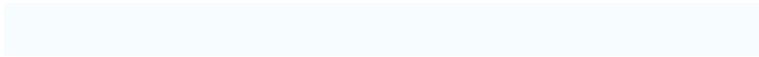
96, 8.425, 98.262

Sweetspot

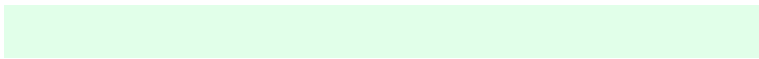
The Sweet Spot groups the original color and five complimentary colors.



96, 8.356, 227.254



99, 2.197, 226.930



97, 15.535, 151.557



53, 1.662, 226.914



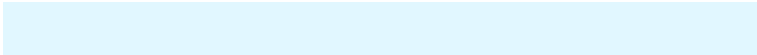
0, 0.000, 0.000



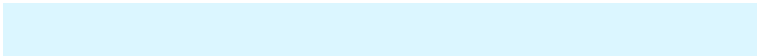
53, 0.007, 296.813

Same Dimension

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



96, 8.356, 227.254



95, 9.988, 227.411



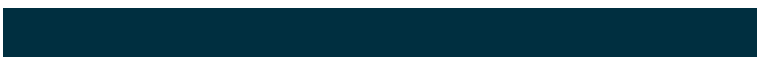
92, 11.734, 278.735



51, 4.101, 227.125



55, 37.256, 248.188



18, 16.594, 241.672

Inverse Universe

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



93, 15.505, 333.423



91, 18.670, 333.590



97, 11.634, 95.823



50, 7.559, 333.272



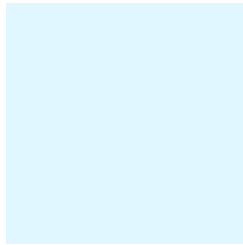
43, 76.378, 342.001



11, 35.919, 339.928

Previews

White Background



This preview shows how the CIELCh color 96, 8.425, 228.262 looks on a white background.

Color Contrast Check

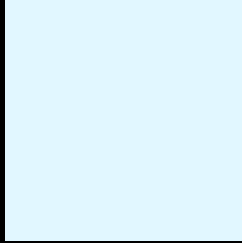
Large Text (above 18pt) WCAG AA × Fail

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, 8.425, 228.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

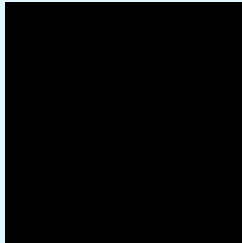
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

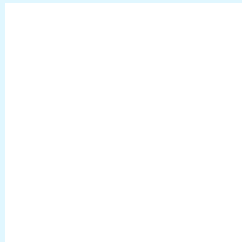
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 8.425, 228.262

Background



This preview shows how black text looks on a background with the CIELCh color 96, 8.425, 228.262.



This preview shows how white text looks on a background with the CIELCh color 96, 8.425, 228.262.

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, 8.425, 228.262

Protanopia

96, 5.254, 302.020

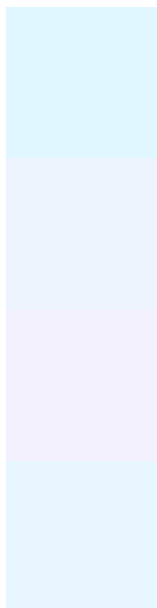
Deuteranopia

96, 9.778, 328.170



Tritanopia
96, 6.110, 256.507

Trichromacy



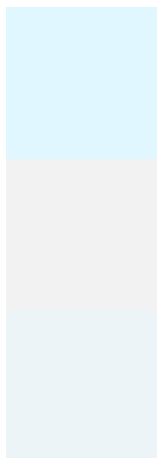
Original Color
96, 8.425, 228.262

Protanomaly
96, 5.026, 266.264

Deuteranomaly
96, 6.773, 299.508

Tritanomaly
96, 6.816, 241.915

Monochromacy



Original Color
96, 8.425, 228.262

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 3.157, 228.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 8.425, 228.262 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(225, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 247, 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(225, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 247, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 8.425, 228.262 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(225, 247, 255) }
```

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

```
.border{ border-color:rgb(225, 247, 255) }
```

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

Here you see how a box with a 4 pixel rgb(225, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 247,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 8.425, 228.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 247, 255) }
```

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

```
.background{ background-color: rgb(225,  
247, 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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