

Converting Colors

CIELCh(90, 30.501, 280.340)

Have a look what the booklet for
CIELCh(90, 30.501, 280.340)
contains.

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Color

CIELCh(89, 16.427, 266.464)

Conversions

Conversions Part 1

Format	Color
Hex	CCE1FE
RGB	204, 225, 254
RGB Percent	80%, 88%, 100%
CMY	0.1983, 0.1159, 0.0023
CMYK	0.20, 0.11, 0.00, 0.00
HSL	215°, 98%, 90%
HSV	215°, 20%, 100%
XYZ	70.0184, 74.1641, 104.7396
YIQ	222.0270, -21.8250, 4.5670

Conversions

Conversions Part 2

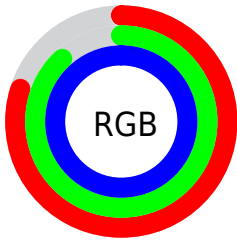
Format	Color
RYB	204, 219, 254
Decimal	13427198
CIELab	89.00, -1.01, -16.40
CIELCh	89, 16.427, 266.464
Yxy	74.1641, 0.2813, 0.2979
Android (android.graphics.Color)	4291617278 (0xFFCCE1FE)
YUV	222.0270, 15.7627, -15.8097
Hunter-Lab	86.1186, -5.5787, -11.8270

Details

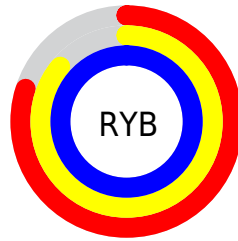
The CIELCh color `89, 16.427, 266.464` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `93, 16.879, 80.976`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 16.250, 265.558` is the 20% darker color. If you saturate the color by 10%, you get `84, 24.816, 268.319`, and if you desaturate by 10%, it is `94, 8.054, 264.896`.

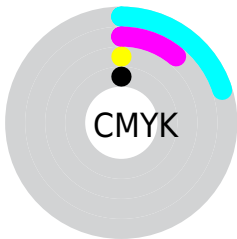
Distribution



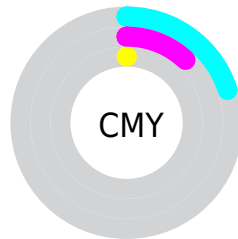
- Red (80%)
- Green (88%)
- Blue (100%)



- Red (80%)
- Yellow (86%)
- Blue (100%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 16.427, 266.464 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 89, 16.427, 266.464 by changing the saturation by 10% instead.

 89, 16.427,
266.464

 89, 16.427,
266.464


 100, 16.427,
266.464

 79, 16.427,
266.464

 69, 16.427,
266.464

 59, 16.427,
266.464

 49, 16.427,
266.464

 39, 16.427,
266.464

 29, 16.427,
266.464

 19, 16.427,

266.464

■ 9, 16.427, 266.464

■ 0, 16.427, 266.464

■ 89, 16.427,
266.464

■ 89, 16.427,
266.464

■ 84, 24.816,
268.319

■ 94, 8.054, 264.896

■ 78, 33.219,
270.519

100, 0.255,
105.184

■ 73, 41.639,
273.107

100, 0.284,
109.885

■ 68, 50.104,
276.126

■ 63, 58.668,

279.583

■ 58, 67.403,
283.433

■ 53, 76.367,
287.547

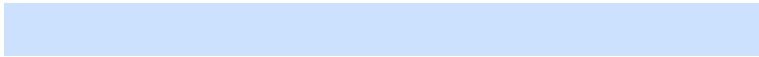
■ 49, 85.553,
291.661

■ 49, 85.884,
291.798

Harmonies

Complementary

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



89, 16.427, 266.464



93, 16.879, 80.976

Rectangle

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



89, 16.427, 266.464



89, 16.427, 316.464



89, 16.427, 86.464



89, 16.427, 136.464

Sweetspot

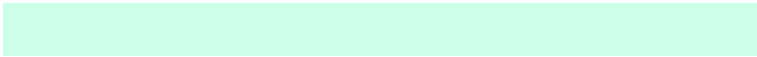
The Sweet Spot groups the original color and five complimentary colors.



89, 16.426, 266.459



97, 5.019, 264.406



96, 20.654, 165.607



51, 3.329, 264.490



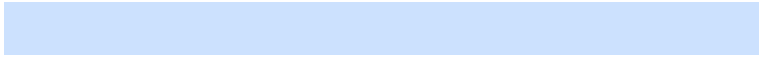
0, 0.000, 0.000



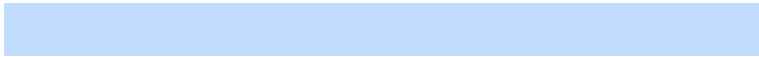
53, 0.007, 296.813

Same Dimension

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



89, 16.426, 266.459



87, 20.116, 267.231



84, 26.456, 294.778



50, 4.756, 264.877



37, 68.038, 291.061



10, 27.376, 285.170

Inverse Universe

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



87, 21.199, 350.059



84, 26.071, 350.550



98, 25.276, 111.088



50, 6.062, 349.002



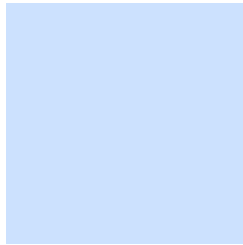
41, 68.125, 9.850



10, 31.353, 3.086

Previews

White Background



This preview shows how the CIE LCh color 89, 16.427, 266.464 looks on a white background.

Color Contrast Check

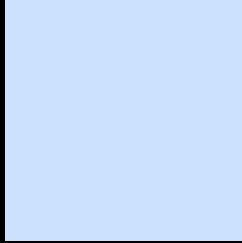
Large Text (above 18pt) WCAG AA × Fail

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 89, 16.427, 266.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

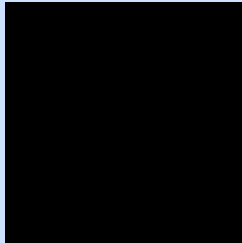
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

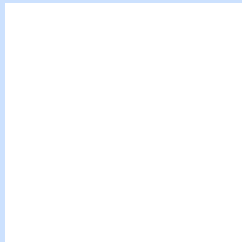
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 16.427, 266.464

Background



This preview shows how black text looks on a background with the CIELCh color 89, 16.427, 266.464.



This preview shows how white text looks on a background with the CIELCh color 89, 16.427, 266.464.

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

89, 16.440, 266.477

Protanopia

89, 15.651, 287.747

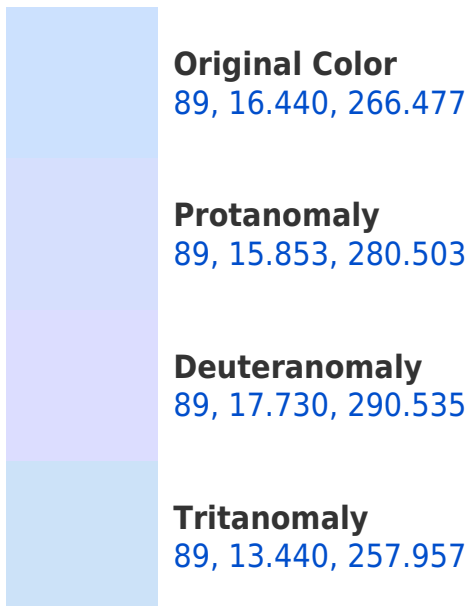
Deuteranopia

89, 19.735, 302.604



Tritanopia
89, 12.190, 249.558

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 16.427, 266.464 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(204, 225, 254)` looks like.

```
.text, #text, p{  
    color:rgb(204, 225, 254)  
}
```

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(204, 225, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 225, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 16.427, 266.464 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(204, 225, 254) }
```

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

```
.border{ border-color:rgb(204, 225, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 225, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 225, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 225, 254);  
box-shadow:4px 4px 4px 4px rgb(204, 225,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 16.427, 266.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 225, 254) }
```

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

```
.background{ background-color: rgb(204,  
225, 254) }
```

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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