

Converting Colors

CIELCh(89, 36.416, 284.511)

Have a look what the booklet for
CIELCh(89, 36.416, 284.511)
contains.

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Color

CIELCh(88, 18.560, 273.061)

Conversions

Conversions Part 1

Format	Color
Hex	CCDEFF
RGB	204, 222, 255
RGB Percent	80%, 87%, 100%
CMY	0.2016, 0.1310, 0.0000
CMYK	0.20, 0.13, 0.00, 0.00
HSL	219°, 100%, 90%
HSV	219°, 20%, 100%
XYZ	68.9512, 72.0653, 105.3993
YIQ	220.3800, -21.3210, 6.4470

Conversions

Conversions Part 2

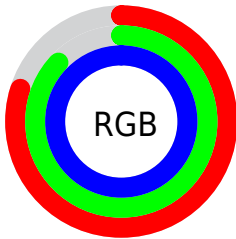
Format	Color
R_{YB}	204, 217, 255
Decimal	13426431
CIE Lab	88.00, 0.99, -18.53
CIE LCh	88, 18.560, 273.061
Yxy	72.0653, 0.2798, 0.2925
Android (android.graphics.Color)	4291616511 (0xFFCCDEFF)
YUV	220.3800, 17.0677, -14.3653
Hunter-Lab	84.8913, -3.5767, -14.1894

Details

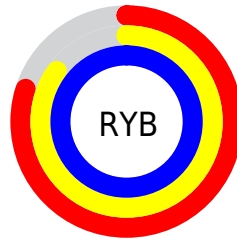
The CIELCh color `88, 18.560, 273.061` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 18.417, 87.142`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `68, 17.941, 272.014` is the 20% darker color. If you saturate the color by 10%, you get `82, 27.503, 274.521`, and if you desaturate by 10%, it is `94, 9.143, 271.142`.

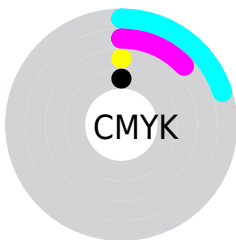
Distribution



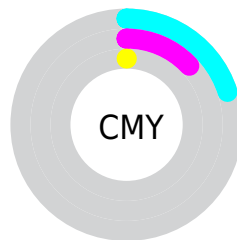
- Red (80%)
- Green (87%)
- Blue (100%)



- Red (80%)
- Yellow (85%)
- Blue (100%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 18.560, 273.061 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 88, 18.560, 273.061 by changing the saturation by 10% instead.

■ 88, 18.560,
273.061

■ 88, 18.560,
273.061

■ 100, 18.560,
273.061

■ 78, 18.560,
273.061

■ 68, 18.560,
273.061

■ 58, 18.560,
273.061

■ 48, 18.560,
273.061

■ 38, 18.560,
273.061

■ 28, 18.560,
273.061

■ 18, 18.560,

273.061

■ 8, 18.560, 273.061

■ 0, 18.560, 273.061

■ 88, 18.560,
273.061

■ 88, 18.560,
273.061

■ 82, 27.503,
274.521

■ 94, 9.143, 271.142

■ 76, 36.881,
276.670

100, 0.153,
271.755

■ 70, 46.418,
279.184

100, 0.012,
296.813

■ 65, 56.150,
282.089

■ 59, 66.127,

285.382

■ 54, 76.380,
288.992

■ 49, 86.860,
292.769

■ 45, 97.192,
296.375

Harmonies

Complementary

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



88, 18.560, 273.061



94, 18.417, 87.142

Rectangle

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



88, 18.560, 273.061



88, 18.560, 323.061



88, 18.560, 93.061



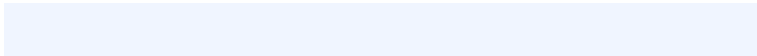
88, 18.560, 143.061

Sweetspot

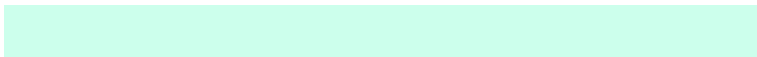
The Sweet Spot groups the original color and five complimentary colors.



88, 18.259, 272.691



96, 5.388, 270.583



96, 20.232, 169.604



51, 3.575, 270.666



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 18.259, 272.691



86, 21.794, 273.359



84, 27.310, 297.203



50, 5.115, 271.050



34, 76.862, 295.721



9, 30.827, 290.435

Inverse Universe

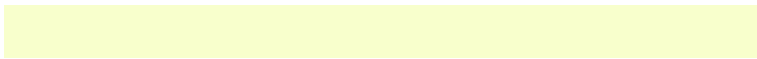
The Inverse Universe completely reimagines the original color for something new.



87, 21.002, 354.597



84, 25.141, 355.061



98, 26.090, 113.845



50, 5.818, 353.417



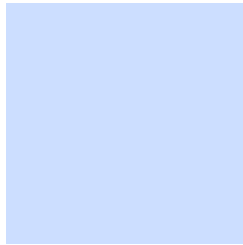
40, 69.225, 16.600



10, 31.309, 8.977

Previews

White Background



This preview shows how the CIE LCh color 88, 18.560, 273.061 looks on a white background.

Color Contrast Check

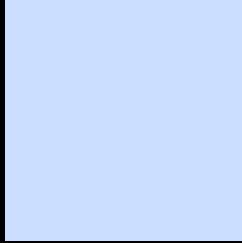
Large Text (above 18pt) WCAG AA × Fail

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 88, 18.560, 273.061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

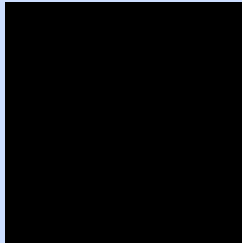
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

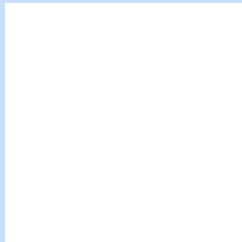
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 18.560, 273.061

Background



This preview shows how black text looks on a background with the CIELCh color 88, 18.560, 273.061.



This preview shows how white text looks on a background with the CIELCh color 88, 18.560, 273.061.

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

88, 18.057, 272.443

Protanopia

88, 17.811, 286.254

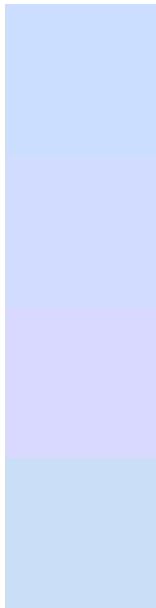
Deuteranopia

88, 21.212, 300.083



Tritanopia
88, 12.010, 250.793

Trichromacy



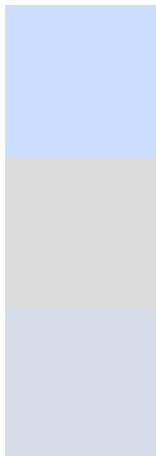
Original Color
88, 18.057, 272.443

Protanomaly
88, 17.989, 281.002

Deuteranomaly
88, 19.882, 291.808

Tritanomaly
88, 14.183, 261.597

Monochromacy



Original Color
88, 18.057, 272.443

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 6.683, 269.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 18.560, 273.061 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, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 222, 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(204, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 222, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 18.560, 273.061 is called "border". The border property can be set on classes, ids or directly on the HTML element.

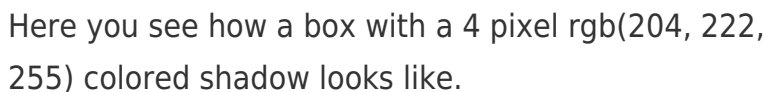
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 222, 255) }
```

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

```
.border{ border-color:rgb(204, 222, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(204, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 222, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 222, 255); box-shadow:4px 4px 4px 4px rgb(204, 222, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 18.560, 273.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 222, 255) }
```

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

```
.background{ background-color: rgb(204,  
222, 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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