

Converting Colors

CIELCh(88, 22.863, 235.759)

Have a look what the booklet for
CIELCh(88, 22.863, 235.759)
contains.

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Color

CIELCh(88, 22.657, 233.814)

Conversions

Conversions Part 1

Format	Color
Hex	A9E6FF
RGB	169, 230, 255
RGB Percent	66%, 90%, 100%
CMY	0.3382, 0.0990, 0.0010
CMYK	0.34, 0.10, 0.00, 0.00
HSL	197°, 99%, 83%
HSV	197°, 34%, 100%
XYZ	62.5451, 72.0653, 105.0051
YIQ	214.6110, -44.3810, -5.1570

Conversions

Conversions Part 2

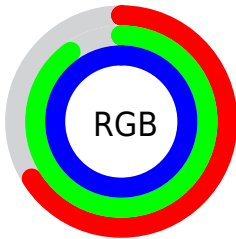
Format	Color
R _Y B	169, 205, 255
Decimal	11134719
CIE Lab	88.00, -13.38, -18.29
CIE LCh	88, 22.657, 233.814
Yxy	72.0653, 0.2610, 0.3008
Android (android.graphics.Color)	4289324799 (0xFFA9E6FF)
YUV	214.6110, 19.9118, -40.0008
Hunter-Lab	84.8913, -17.0467, -13.9141

Details

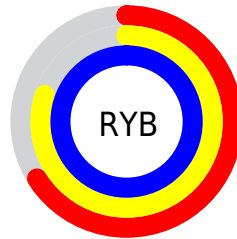
The CIELCh color `88, 22.657, 233.814` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `83, 28.053, 48.590`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 9.843, 198.851`, and `68, 22.537, 234.400` is the 20% darker color. If you saturate the color by 10%, you get `85, 28.330, 235.481`, and if you desaturate by 10%, it is `91, 16.437, 232.508`.

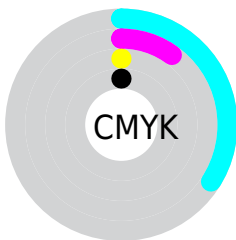
Distribution



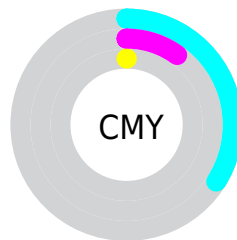
- Red (66%)
- Green (90%)
- Blue (100%)



- Red (66%)
- Yellow (80%)
- Blue (100%)



- Cyan (34%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (10%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 22.657, 233.814 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, 22.657, 233.814 by changing the saturation by 10% instead.


 88, 22.657,
233.814


 88, 22.657,
233.814


 100, 22.657,
233.814


 78, 22.657,
233.814

 68, 22.657,
233.814

 58, 22.657,
233.814

 48, 22.657,
233.814

 38, 22.657,
233.814

 28, 22.657,
233.814

 18, 22.657,

233.814

■ 8, 22.657, 233.814

■ 0, 22.657, 233.814

■ 88, 22.657,
233.814

■ 88, 22.657,
233.814

■ 85, 28.330,
235.481

■ 91, 16.437,
232.508

■ 82, 33.378,
237.603

■ 95, 9.764, 231.508

■ 79, 37.745,
240.272

■ 99, 2.725, 230.872

100, 0.118,
109.512

■ 76, 41.427,
243.580

■ 73, 44.493,

247.587

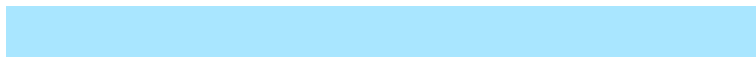
■ 71, 47.107,
252.284

■ 70, 48.655,
255.440

Harmonies

Complementary

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



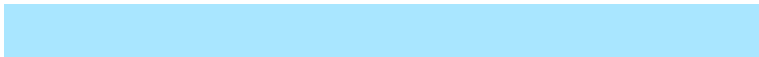
88, 22.657, 233.814



83, 28.053, 48.590

Rectangle

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



88, 22.657, 233.814



88, 22.657, 283.814



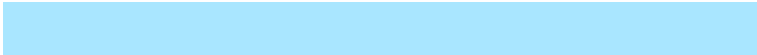
88, 22.657, 53.814



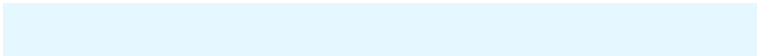
88, 22.657, 103.814

Sweetspot

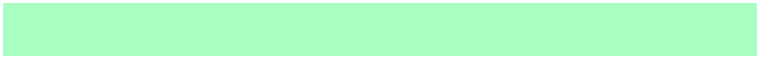
The Sweet Spot groups the original color and five complimentary colors.



88, 22.656, 233.811



96, 7.165, 231.208



93, 43.871, 150.802



51, 4.873, 231.315



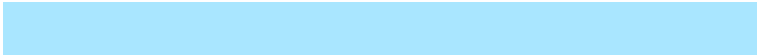
0, 0.000, 0.000



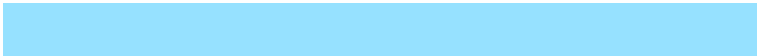
53, 0.007, 296.813

Same Dimension

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



88, 22.656, 233.811



86, 26.848, 234.980



77, 36.433, 284.438



51, 4.078, 231.172



53, 38.917, 254.484



17, 17.076, 247.547

Inverse Universe

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



79, 44.080, 336.384



75, 53.256, 336.995



94, 35.140, 95.319



50, 7.389, 334.528



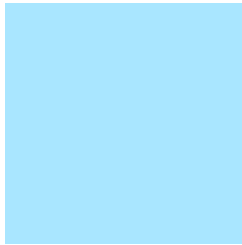
43, 74.765, 344.251



11, 35.214, 341.787

Previews

White Background



This preview shows how the CIELCh color 88, 22.657, 233.814 looks on a white background.

Color Contrast Check

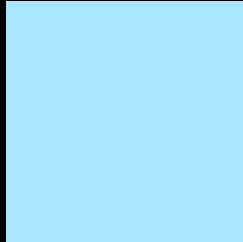
Large Text (above 18pt) WCAG AA × Fail

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, 22.657, 233.814 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, 22.657, 233.814

Background



This preview shows how black text looks on a background with the CIELCh color 88, 22.657, 233.814.

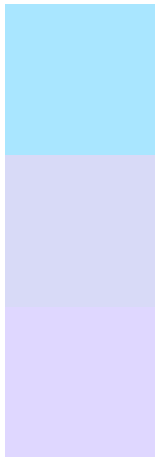


This preview shows how white text looks on a background with the CIELCh color 88, 22.657, 233.814.

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, 22.657, 233.814

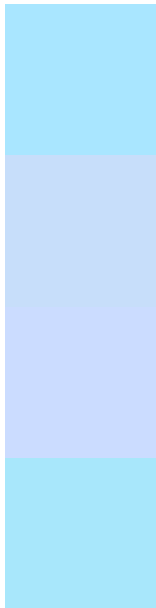
Protanopia
88, 15.171, 288.868

Deuteranopia
88, 21.164, 299.178



Tritanopia
88, 21.944, 223.772

Trichromacy



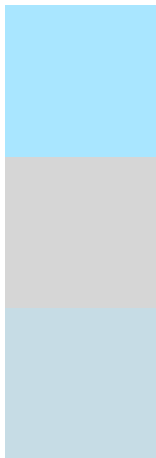
Original Color
88, 22.657, 233.814

Protanomaly
88, 16.282, 263.572

Deuteranomaly
88, 18.978, 274.579

Tritanomaly
88, 22.043, 226.748

Monochromacy



Original Color
88, 22.657, 233.814

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 8.821, 231.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 22.657, 233.814 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(169, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 230, 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(169, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 230, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 22.657, 233.814 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(169, 230, 255) }
```

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

```
.border{ border-color:rgb(169, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 230,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 22.657, 233.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 230, 255) }
```

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

```
.background{ background-color: rgb(169,  
230, 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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