

Converting Colors

CIELCh(88, 20.564, 239.429)

Have a look what the booklet for
CIELCh(88, 20.564, 239.429)
contains.

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Color

CIELCh(88, 20.714, 239.822)

Conversions

Conversions Part 1

Format	Color
Hex	B1E4FE
RGB	177, 228, 254
RGB Percent	69%, 89%, 100%
CMY	0.3055, 0.1055, 0.0035
CMYK	0.30, 0.10, 0.00, 0.00
HSL	200°, 98%, 85%
HSV	200°, 30%, 100%
XYZ	63.8328, 72.0653, 104.4005
YIQ	215.7150, -38.7420, -2.7260

Conversions

Conversions Part 2

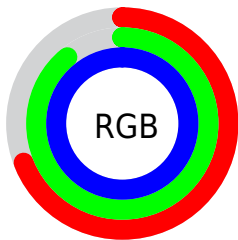
Format	Color
RYB	177, 208, 254
Decimal	11658494
CIELab	88.00, -10.41, -17.91
CIELCh	88, 20.714, 239.822
Yxy	72.0653, 0.2656, 0.2999
Android (android.graphics.Color)	4289848574 (0xFFB1E4FE)
YUV	215.7150, 18.8745, -33.9531
Hunter-Lab	84.8913, -14.3392, -13.4918

Details

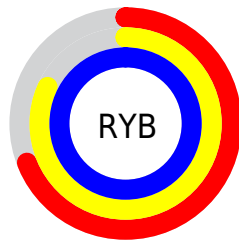
The CIELCh color **88, 20.714, 239.822** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **86, 24.542, 53.891**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 7.186, 199.043**, and **68, 20.611, 238.580** is the 20% darker color. If you saturate the color by 10%, you get **84, 26.771, 241.621**, and if you desaturate by 10%, it is **92, 14.219, 238.383**.

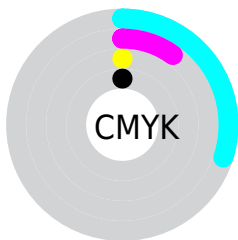
Distribution



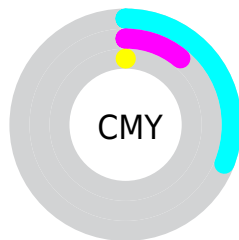
- Red (69%)
- Green (89%)
- Blue (100%)



- Red (69%)
- Yellow (82%)
- Blue (100%)



- Cyan (30%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (11%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 20.714, 239.822 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, 20.714, 239.822 by changing the saturation by 10% instead.


 88, 20.714,
239.822


 88, 20.714,
239.822


 100, 20.714,
239.822


 78, 20.714,
239.822

 68, 20.714,
239.822

 58, 20.714,
239.822

 48, 20.714,
239.822

 38, 20.714,
239.822

 28, 20.714,
239.822

 18, 20.714,

239.822

■ 8, 20.714, 239.822

■ 0, 20.714, 239.822

■ 88, 20.714,
239.822

■ 88, 20.714,
239.822

■ 84, 26.771,
241.621

■ 92, 14.219,
238.383

■ 81, 32.324,
243.873

■ 96, 7.365, 237.263

■ 77, 37.326,
246.663

■ 100, 0.226,
238.823

■ 74, 41.771,
250.075

■ 100, 0.441,
109.970

■ 71, 45.723,

254.161

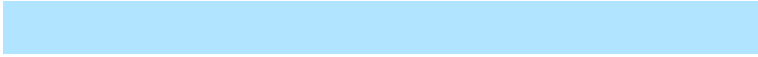
■ 69, 49.324,
258.899

■ 66, 52.718,
263.907

Harmonies

Complementary

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



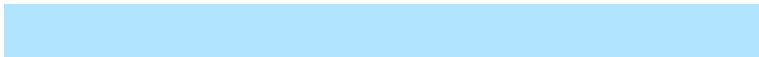
88, 20.714, 239.822



86, 24.542, 53.891

Rectangle

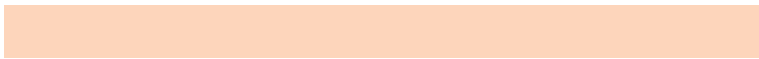
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 20.714, 239.822



88, 20.714, 289.822



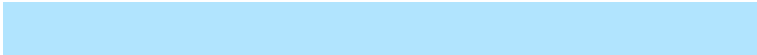
88, 20.714, 59.822



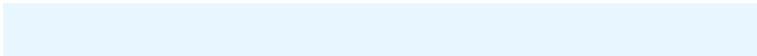
88, 20.714, 109.822

Sweetspot

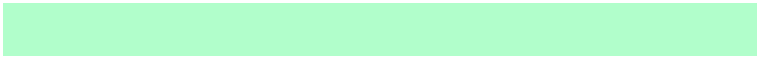
The Sweet Spot groups the original color and five complimentary colors.



88, 20.713, 239.818



96, 6.468, 237.141



94, 37.888, 153.117



51, 4.482, 237.277



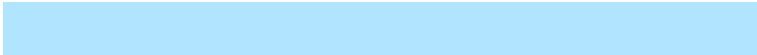
0, 0.000, 0.000



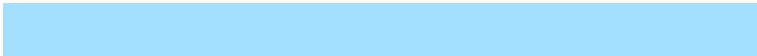
53, 0.007, 296.813

Same Dimension

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



88, 20.713, 239.818



86, 24.291, 240.797



78, 34.484, 286.582



51, 4.082, 237.187



51, 42.122, 262.938



16, 18.081, 255.699

Inverse Universe

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



81, 38.304, 338.177



78, 45.530, 338.684



95, 32.998, 98.863



50, 7.146, 336.494



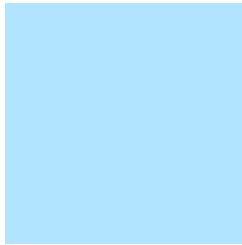
42, 72.637, 347.817



11, 34.253, 344.720

Previews

White Background



This preview shows how the CIELCh color 88, 20.714, 239.822 looks on a white background.

Color Contrast Check

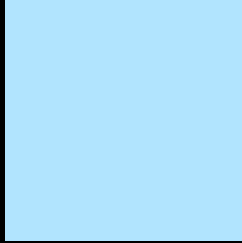
Large Text (above 18pt) WCAG AA × Fail

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, 20.714, 239.822 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

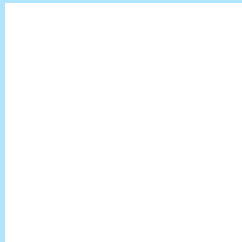
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 20.714, 239.822

Background



This preview shows how black text looks on a background with the CIELCh color 88, 20.714, 239.822.

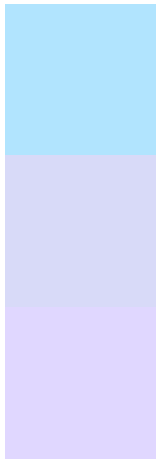


This preview shows how white text looks on a background with the CIELCh color 88, 20.714, 239.822.

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, 20.714, 239.822

Protanopia
88, 15.692, 289.001

Deuteranopia
88, 21.212, 300.083



Tritanopia
88, 19.373, 229.459

Trichromacy



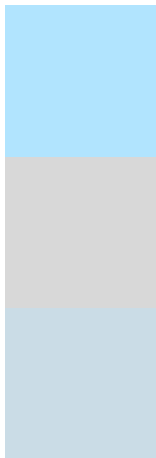
Original Color
88, 20.714, 239.822

Protanomaly
88, 15.885, 266.706

Deuteranomaly
88, 18.676, 278.398

Tritanomaly
88, 19.826, 232.275

Monochromacy



Original Color
88, 20.714, 239.822

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 8.031, 239.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 20.714, 239.822 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(177, 228, 254)` looks like.

```
.text, #text, p{  
    color:rgb(177, 228, 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(177, 228, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 228, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 20.714, 239.822 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(177, 228, 254) }
```

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

```
.border{ border-color:rgb(177, 228, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 228, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 228, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 228, 254);  
box-shadow:4px 4px 4px 4px rgb(177, 228,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 20.714, 239.822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 228, 254) }
```

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

```
.background{ background-color: rgb(177,  
228, 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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