

Converting Colors

CIELCh(87, 21.852, 251.262)

Have a look what the booklet for
CIELCh(87, 21.852, 251.262)
contains.

CIELCh(87, 21.189, 249.090)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 21.189, 249.090)

Conversions

Conversions Part 1

Format	Color
Hex	B3E0FF
RGB	179, 224, 255
RGB Percent	70%, 88%, 100%
CMY	0.2986, 0.1221, 0.0006
CMYK	0.30, 0.12, 0.00, 0.00
HSL	204°, 100%, 85%
HSV	204°, 30%, 100%
XYZ	63.1964, 70.0064, 104.6593
YIQ	214.0790, -36.7710, 0.1010

Conversions

Conversions Part 2

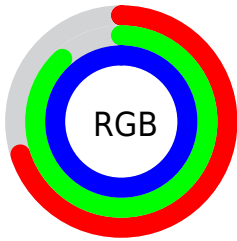
Format	Color
R_{YB}	179, 207, 255
Decimal	11788543
CIE _{Lab}	87.00, -7.56, -19.79
CIE _{LCh}	87, 21.189, 249.090
Yxy	70.0064, 0.2657, 0.2943
Android (android.graphics.Color)	4289978623 (0xFFB3E0FF)
YUV	214.0790, 20.1741, -30.7643
Hunter-Lab	83.6698, -11.6000, -15.5947

Details

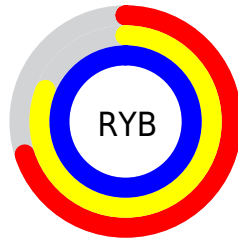
The CIELCh color **87, 21.189, 249.090** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **87, 24.188, 61.734**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.515, 199.095**, and **67, 21.105, 248.383** is the 20% darker color. If you saturate the color by 10%, you get **83, 27.750, 251.151**, and if you desaturate by 10%, it is **91, 14.318, 247.401**.

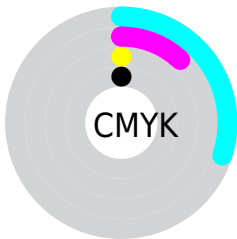
Distribution



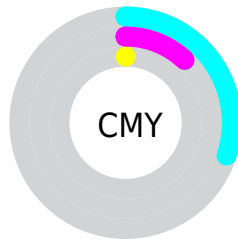
- Red (70%)
- Green (88%)
- Blue (100%)



- Red (70%)
- Yellow (81%)
- Blue (100%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 21.189, 249.090 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 87, 21.189, 249.090 by changing the saturation by 10% instead.

■ 87, 21.189,
249.090

■ 87, 21.189,
249.090

■ 100, 21.189,
249.090

■ 77, 21.189,
249.090

■ 67, 21.189,
249.090

■ 57, 21.189,
249.090

■ 47, 21.189,
249.090

■ 37, 21.189,
249.090

■ 27, 21.189,
249.090

■ 17, 21.189,

249.090

■ 7, 21.189, 249.090

■ 0, 21.189, 249.090

■ 87, 21.189,
249.090

■ 87, 21.189,
249.090

■ 83, 27.750,
251.151

■ 91, 14.318,
247.401

■ 79, 33.958,
253.668

■ 96, 7.195, 246.043

■ 75, 39.793,
256.714

100, 0.066,
109.003

■ 71, 45.275,
260.348

■ 68, 50.485,

264.585

■ 64, 55.566,
269.354

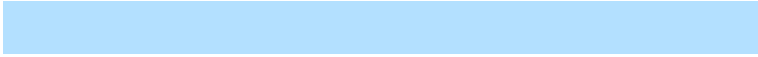
■ 61, 60.730,
274.401

■ 61, 60.826,
274.489

Harmonies

Complementary

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



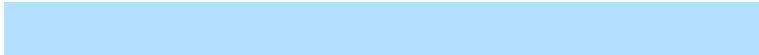
87, 21.189, 249.090



87, 24.188, 61.734

Rectangle

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



87, 21.189, 249.090



87, 21.189, 299.090



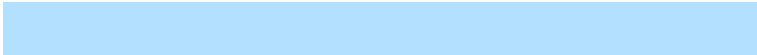
87, 21.189, 69.090



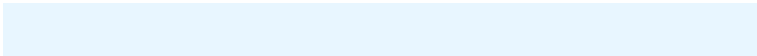
87, 21.189, 119.090

Sweetspot

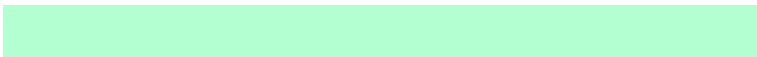
The Sweet Spot groups the original color and five complimentary colors.



87, 21.188, 249.086



96, 6.606, 245.947



94, 35.486, 156.013



51, 4.581, 246.120



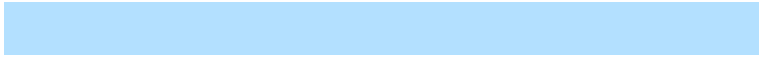
0, 0.000, 0.000



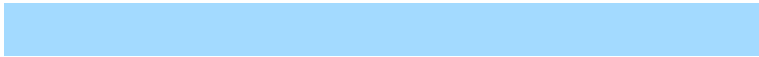
53, 0.007, 296.813

Same Dimension

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



87, 21.188, 249.086



84, 25.296, 250.313



77, 36.733, 289.773



51, 4.170, 246.006



46, 48.313, 273.549



14, 20.163, 266.391

Inverse Universe

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



81, 36.062, 341.503



78, 43.500, 342.125



96, 34.696, 102.603



50, 6.800, 339.693



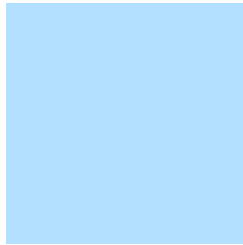
42, 70.121, 353.661



11, 33.027, 349.517

Previews

White Background



This preview shows how the CIE LCh color 87, 21.189, 249.090 looks on a white background.

Color Contrast Check

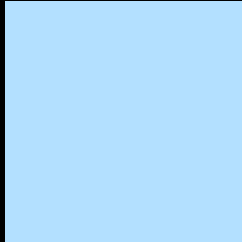
Large Text (above 18pt) WCAG AA × Fail

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 87, 21.189, 249.090 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

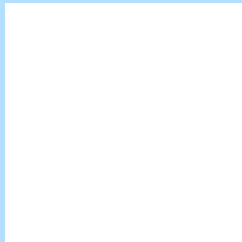
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 21.189, 249.090

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.189, 249.090.

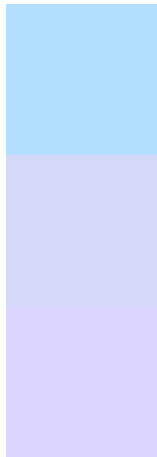


This preview shows how white text looks on a background with the CIELCh color 87, 21.189, 249.090.

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
87, 21.189, 249.090

Protanopia
87, 17.314, 287.162

Deuteranopia
87, 22.161, 297.178



Tritanopia
87, 18.422, 229.437

Trichromacy



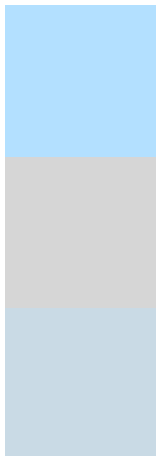
Original Color
87, 21.189, 249.090

Protanomaly
87, 17.714, 270.854

Deuteranomaly
87, 20.245, 279.651

Tritanomaly
87, 19.202, 237.676

Monochromacy



Original Color
87, 21.189, 249.090

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 8.134, 244.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 21.189, 249.090 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(179, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 224, 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(179, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 224, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.189, 249.090 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(179, 224, 255) }
```

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

```
.border{ border-color:rgb(179, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 224,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.189, 249.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 224, 255) }
```

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

```
.background{ background-color: rgb(179,  
224, 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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