

Converting Colors

CIE LCh(89, 19.222, 243.320)

Have a look what the booklet for
CIELCh(89, 19.222, 243.320)
contains.

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Color

CIELCh(89, 19.084, 242.005)

Conversions

Conversions Part 1

Format	Color
Hex	B9E6FF
RGB	185, 230, 255
RGB Percent	73%, 90%, 100%
CMY	0.2743, 0.0978, 0.0000
CMYK	0.27, 0.10, 0.00, 0.00
HSL	201°, 100%, 86%
HSV	201°, 27%, 100%
XYZ	66.3875, 74.1641, 105.4658
YIQ	219.3950, -34.8450, -1.7650

Conversions

Conversions Part 2

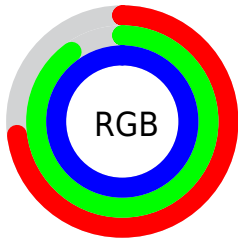
Format	Color
RYB	185, 212, 255
Decimal	12183295
CIELab	89.00, -8.96, -16.85
CIELCh	89, 19.084, 242.005
Yxy	74.1641, 0.2698, 0.3015
Android (android.graphics.Color)	4290373375 (0xFFB9E6FF)
YUV	219.3950, 17.5533, -30.1644
Hunter-Lab	86.1186, -13.1047, -12.3269

Details

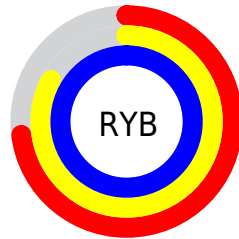
The CIELCh color `89, 19.084, 242.005` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `87, 22.013, 56.222`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 4.482, 199.269`, and `69, 18.992, 240.492` is the 20% darker color. If you saturate the color by 10%, you get `85, 25.373, 243.714`, and if you desaturate by 10%, it is `93, 12.377, 240.511`.

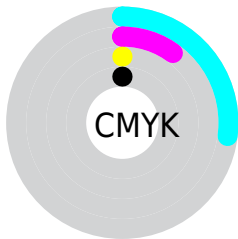
Distribution



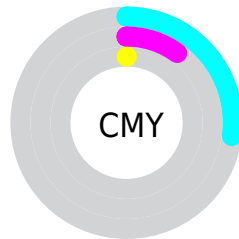
- Red (73%)
- Green (90%)
- Blue (100%)



- Red (73%)
- Yellow (83%)
- Blue (100%)



- Cyan (27%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 19.084, 242.005 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, 19.084, 242.005 by changing the saturation by 10% instead.

■ 89, 19.084,
242.005

■ 89, 19.084,
242.005

■ 100, 19.084,
242.005

■ 79, 19.084,
242.005

■ 69, 19.084,
242.005

■ 59, 19.084,
242.005

■ 49, 19.084,
242.005

■ 39, 19.084,
242.005

■ 29, 19.084,
242.005

■ 19, 19.084,

242.005

■ 9, 19.084, 242.005

■ 0, 19.084, 242.005

■ 89, 19.084,
242.005

■ 89, 19.084,
242.005

■ 85, 25.373,
243.714

■ 93, 12.377,
240.511

■ 81, 31.229,
245.924

■ 97, 5.373, 239.408

■ 78, 36.587,
248.651

100, 0.012,
296.813

■ 75, 41.436,
251.976

■ 71, 45.826,

255.955

■ 68, 49.880,
260.577

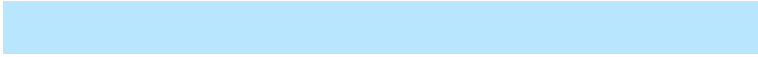
■ 65, 53.801,
265.709

■ 65, 54.838,
267.022

Harmonies

Complementary

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



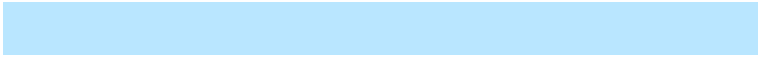
89, 19.084, 242.005



87, 22.013, 56.222

Rectangle

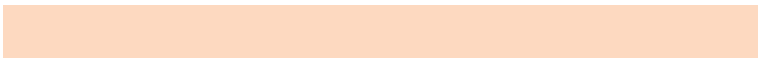
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 19.084, 242.005



89, 19.084, 292.005



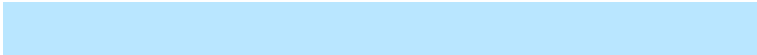
89, 19.084, 62.005



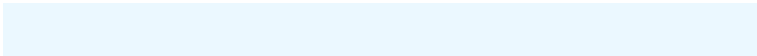
89, 19.084, 112.005

Sweetspot

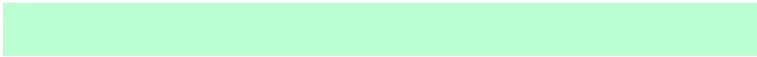
The Sweet Spot groups the original color and five complimentary colors.



89, 19.067, 241.935



97, 5.779, 239.460



95, 33.993, 154.096



51, 4.096, 239.607



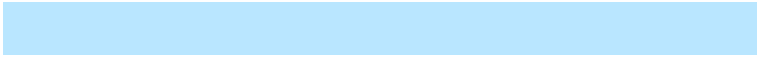
0, 0.000, 0.000



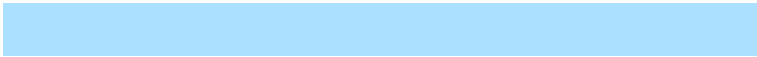
53, 0.007, 296.813

Same Dimension

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



89, 19.067, 241.935



87, 22.631, 242.878



80, 31.768, 286.957



51, 4.096, 239.607



49, 43.646, 266.047



15, 18.580, 258.777

Inverse Universe

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



83, 34.335, 338.802



79, 41.274, 339.301



96, 30.446, 100.164



50, 7.050, 337.328



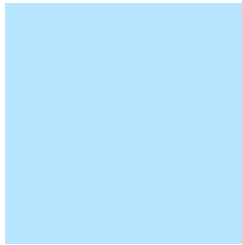
42, 71.874, 349.340



11, 33.895, 345.970

Previews

White Background



This preview shows how the CIE LCh color 89, 19.084, 242.005 looks on a white background.

Color Contrast Check

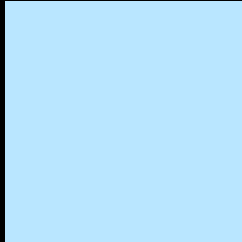
Large Text (above 18pt) WCAG AA × Fail

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, 19.084, 242.005 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

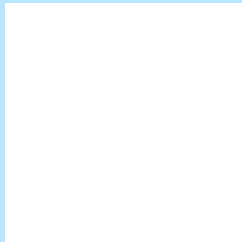
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 19.084, 242.005

Background



This preview shows how black text looks on a background with the CIELCh color 89, 19.084, 242.005.



This preview shows how white text looks on a background with the CIELCh color 89, 19.084, 242.005.

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, 19.084, 242.005

Protanopia

89, 14.612, 288.713

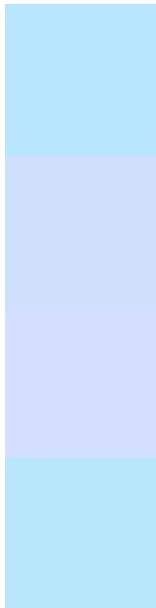
Deuteranopia

89, 19.672, 301.630



Tritanopia
89, 17.620, 230.910

Trichromacy



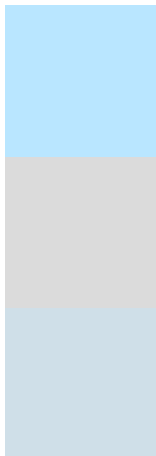
Original Color
89, 19.084, 242.005

Protanomaly
89, 15.030, 269.189

Deuteranomaly
89, 17.450, 280.604

Tritanomaly
89, 18.106, 233.929

Monochromacy



Original Color
89, 19.084, 242.005

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 7.182, 240.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 19.084, 242.005 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(185, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 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(185, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 230, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 19.084, 242.005 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(185, 230, 255) }
```

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

```
.border{ border-color:rgb(185, 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(185, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 230,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 19.084, 242.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 230, 255) }
```

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

```
.background{ background-color: rgb(185,  
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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