

Converting Colors

CIELCh(89, 20.458, 239.353)

Have a look what the booklet for
CIELCh(89, 20.458, 239.353)
contains.

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Color

CIELCh(89, 20.113, 237.257)

Conversions

Conversions Part 1

Format	Color
Hex	B4E7FF
RGB	180, 231, 255
RGB Percent	71%, 91%, 100%
CMY	0.2936, 0.0936, 0.0000
CMYK	0.29, 0.09, 0.00, 0.00
HSL	199°, 100%, 85%
HSV	199°, 29%, 100%
XYZ	65.5289, 74.1641, 105.5717
YIQ	218.4870, -38.1000, -3.3480

Conversions

Conversions Part 2

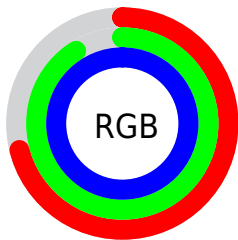
Format	Color
R_{YB}	180, 210, 255
Decimal	11855871
CIE _{Lab}	89.00, -10.88, -16.92
CIE _{LCh}	89, 20.113, 237.257
Yxy	74.1641, 0.2672, 0.3024
Android (android.graphics.Color)	4290045951 (0xFFB4E7FF)
YUV	218.4870, 18.0009, -33.7531
Hunter-Lab	86.1186, -14.8842, -12.3998

Details

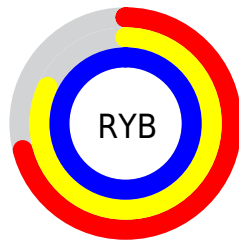
The CIELCh color **89, 20.113, 237.257** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 23.835, 51.868**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.178, 199.121**, and **69, 20.089, 237.674** is the 20% darker color. If you saturate the color by 10%, you get **85, 26.110, 238.760**, and if you desaturate by 10%, it is **93, 13.586, 235.780**.

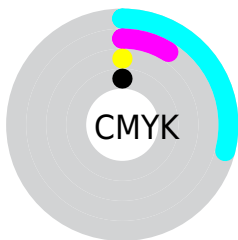
Distribution



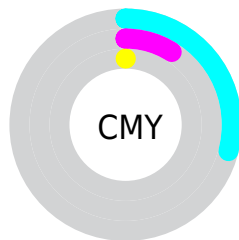
- Red (71%)
- Green (91%)
- Blue (100%)



- Red (71%)
- Yellow (82%)
- Blue (100%)



- Cyan (29%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (9%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 20.113, 237.257 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, 20.113, 237.257 by changing the saturation by 10% instead.


 89, 20.113,
237.257

 89, 20.113,
237.257


 100, 20.113,
237.257


 79, 20.113,
237.257

 69, 20.113,
237.257

 59, 20.113,
237.257

 49, 20.113,
237.257

 39, 20.113,
237.257

 29, 20.113,
237.257

 19, 20.113,

237.257

■ 9, 20.113, 237.257

■ 0, 20.113, 237.257

■ 89, 20.113,
237.257

■ 89, 20.113,
237.257

■ 85, 26.110,
238.760

■ 93, 13.586,
235.780

■ 82, 31.602,
240.859

■ 96, 6.714, 234.773

■ 79, 36.499,
243.480

100, 0.012,
296.813

■ 76, 40.782,
246.715

■ 73, 44.499,

250.629

■ 70, 47.781,
255.226

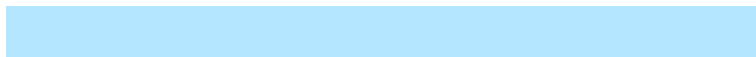
■ 68, 50.867,
260.343

■ 68, 51.070,
260.665

Harmonies

Complementary

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



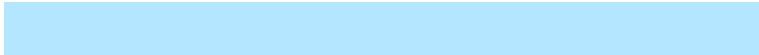
89, 20.113, 237.257



86, 23.835, 51.868

Rectangle

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



89, 20.113, 237.257



89, 20.113, 287.257



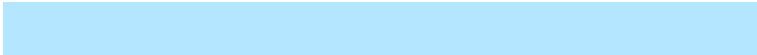
89, 20.113, 57.257



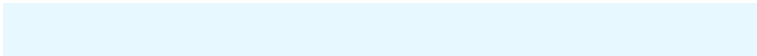
89, 20.113, 107.257

Sweetspot

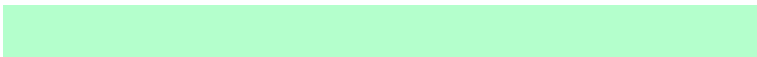
The Sweet Spot groups the original color and five complimentary colors.



89, 20.078, 237.094



97, 6.458, 234.742



94, 37.309, 152.544



51, 4.474, 234.867



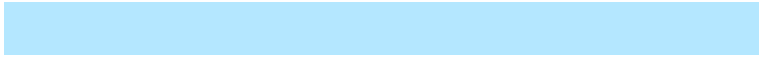
0, 0.000, 0.000



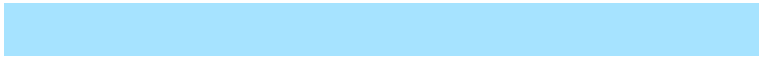
53, 0.007, 296.813

Same Dimension

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



89, 20.078, 237.094



87, 23.540, 237.985



79, 32.800, 285.521



51, 4.075, 234.785



52, 40.740, 259.689



16, 17.639, 252.528

Inverse Universe

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



82, 37.705, 337.253



78, 44.850, 337.734



95, 31.559, 97.973



50, 7.242, 335.692



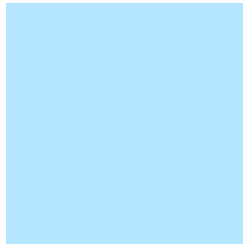
42, 73.448, 346.358



11, 34.625, 343.521

Previews

White Background



This preview shows how the CIE LCh color 89, 20.113, 237.257 looks on a white background.

Color Contrast Check

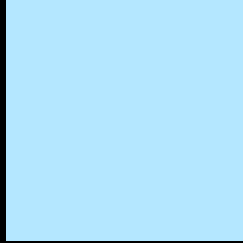
Large Text (above 18pt) WCAG AA × Fail

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, 20.113, 237.257 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, 20.113, 237.257

Background



This preview shows how black text looks on a background with the CIELCh color 89, 20.113, 237.257.



This preview shows how white text looks on a background with the CIELCh color 89, 20.113, 237.257.

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](#).

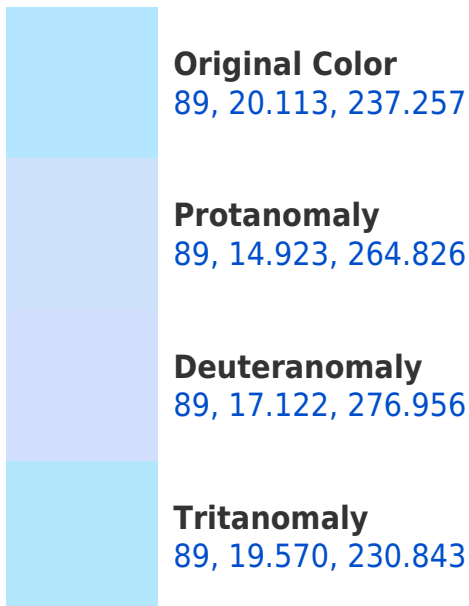
Dichromacy





Tritanopia
89, 19.140, 227.969

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 20.113, 237.257 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(180, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 231, 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(180, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 231, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 20.113, 237.257 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(180, 231, 255) }
```

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

```
.border{ border-color:rgb(180, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 231,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 20.113, 237.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 231, 255) }
```

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

```
.background{ background-color: rgb(180,  
231, 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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