

Converting Colors

CIELCh(89, 19.485, 228.710)

Have a look what the booklet for
CIELCh(89, 19.485, 228.710)
contains.

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Color

CIELCh(89, 19.600, 228.970)

Conversions

Conversions Part 1

Format	Color
Hex	B2E8FB
RGB	178, 232, 251
RGB Percent	70%, 91%, 98%
CMY	0.3018, 0.0901, 0.0156
CMYK	0.29, 0.08, 0.00, 0.02
HSL	196°, 90%, 84%
HSV	196°, 29%, 98%
XYZ	64.6482, 74.1641, 102.1978
YIQ	218.0200, -38.2830, -5.5390

Conversions

Conversions Part 2

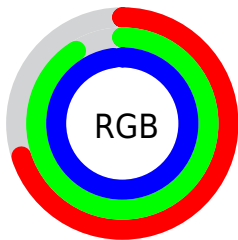
Format	Color
R _Y B	178, 209, 251
Decimal	11725051
CIE Lab	89.00, -12.87, -14.79
CIE LCh	89, 19.600, 228.970
Yxy	74.1641, 0.2682, 0.3077
Android (android.graphics.Color)	4289915131 (0xFFB2E8FB)
YUV	218.0200, 16.2591, -35.0975
Hunter-Lab	86.1186, -16.7098, -10.0770

Details

The CIELCh color **89, 19.600, 228.970** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 23.688, 45.484**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.851, 199.068**, and **69, 19.536, 228.871** is the 20% darker color. If you saturate the color by 10%, you get **86, 25.403, 230.254**, and if you desaturate by 10%, it is **92, 13.256, 227.987**.

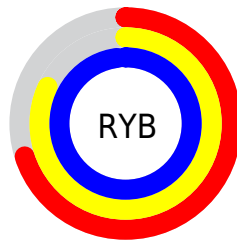
Distribution



Red (70%)

Green (91%)

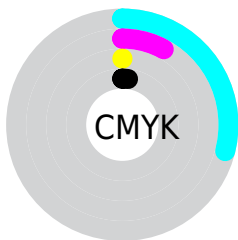
Blue (98%)



Red (70%)

Yellow (82%)

Blue (98%)

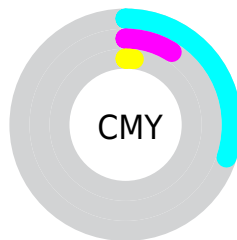


Cyan (29%)

Magenta (8%)

Yellow (0%)

Black (2%)



Cyan (30%)

Magenta (9%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 19.600, 228.970 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, 19.600, 228.970 by changing the saturation by 10% instead.

■ 89, 19.600,
228.970

■ 89, 19.600,
228.970

■ 100, 19.600,
228.970

■ 79, 19.600,
228.970

■ 69, 19.600,
228.970

■ 59, 19.600,
228.970

■ 49, 19.600,
228.970

■ 39, 19.600,
228.970

■ 29, 19.600,
228.970

■ 19, 19.600,

228.970

■ 9, 19.600, 228.970

■ 0, 19.600, 228.970

■ 89, 19.600,
228.970

■ 89, 19.600,
228.970

■ 86, 25.403,
230.254

■ 92, 13.256,
227.987

■ 83, 30.570,
231.925

■ 96, 6.470, 227.280

■ 80, 35.020,
234.067

■ 99, 0.666, 45.680

■ 100, 2.002,
109.990

■ 78, 38.711,
236.775

■ 75, 41.658,

240.139

■ 73, 43.965,
244.210

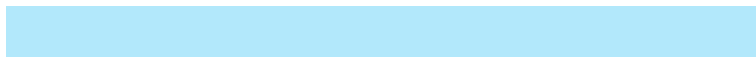
■ 71, 45.859,
248.912

■ 71, 46.035,
249.349

Harmonies

Complementary

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



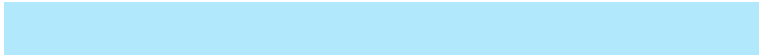
89, 19.600, 228.970



84, 23.688, 45.484

Rectangle

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



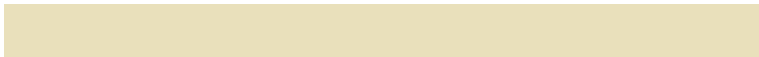
89, 19.600, 228.970



89, 19.600, 278.970



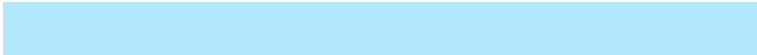
89, 19.600, 48.970



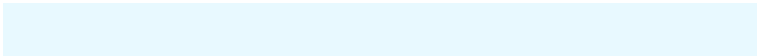
89, 19.600, 98.970

Sweetspot

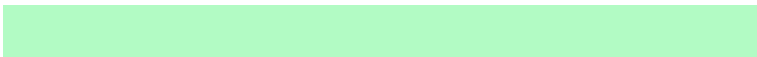
The Sweet Spot groups the original color and five complimentary colors.



89, 19.600, 228.965



97, 6.497, 227.276



93, 38.381, 150.051



51, 4.499, 227.360



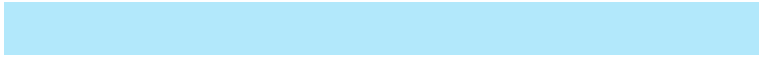
0, 0.000, 0.000



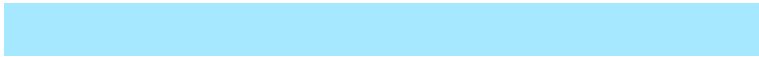
53, 0.007, 296.813

Same Dimension

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



89, 19.600, 228.965



88, 23.401, 229.691



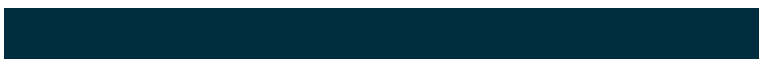
80, 29.574, 281.514



50, 4.032, 227.303



54, 36.938, 248.427



17, 16.151, 241.573

Inverse Universe

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



81, 38.380, 334.744



79, 46.662, 335.201



93, 28.968, 93.654



49, 7.427, 333.325



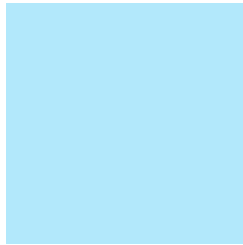
42, 75.557, 342.081



10, 34.986, 339.898

Previews

White Background



This preview shows how the CIELCh color 89, 19.600, 228.970 looks on a white background.

Color Contrast Check

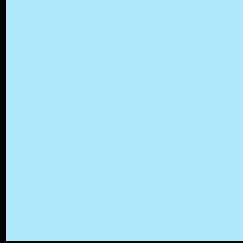
Large Text (above 18pt) WCAG AA × Fail

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, 19.600, 228.970 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, 19.600, 228.970

Background



This preview shows how black text looks on a background with the CIELCh color 89, 19.600, 228.970.



This preview shows how white text looks on a background with the CIELCh color 89, 19.600, 228.970.

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](#).

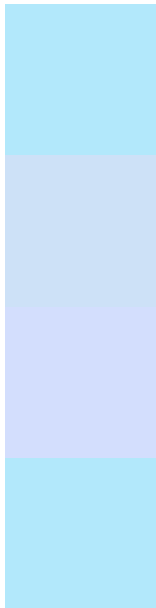
Dichromacy





Tritanopia
89, 19.600, 228.970

Trichromacy



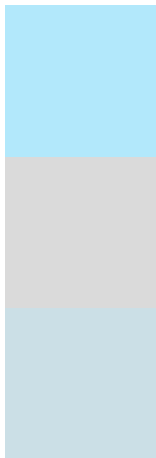
Original Color
89, 19.600, 228.970

Protanomaly
89, 13.123, 260.402

Deuteranomaly
89, 16.494, 278.659

Tritanomaly
89, 19.600, 228.970

Monochromacy



Original Color
89, 19.600, 228.970

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 7.746, 227.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 19.600, 228.970 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(178, 232, 251)` looks like.

```
.text, #text, p{  
    color:rgb(178, 232, 251)  
}
```

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(178, 232, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 232, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 19.600, 228.970 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(178, 232, 251) }
```

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

```
.border{ border-color:rgb(178, 232, 251) }
```

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

Here you see how a box with a 4 pixel rgb(178, 232, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 232, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 232, 251);  
box-shadow:4px 4px 4px 4px rgb(178, 232,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 19.600, 228.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 232, 251) }
```

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

```
.background{ background-color: rgb(178,  
232, 251) }
```

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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