

Converting Colors

CIELCh(89, 16.951, 267.532)

Have a look what the booklet for
CIELCh(89, 16.951, 267.532)
contains.

CIELCh(89, 16.906, 267.304)	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(89, 16.906, 267.304)

Conversions

Conversions Part 1

Format	Color
Hex	CCE1FF
RGB	204, 225, 255
RGB Percent	80%, 88%, 100%
CMY	0.1987, 0.1163, 0.0000
CMYK	0.20, 0.12, 0.00, 0.00
HSL	215°, 100%, 90%
HSV	215°, 20%, 100%
XYZ	70.1199, 74.1641, 105.5239
YIQ	222.1410, -22.1460, 4.8780

Conversions

Conversions Part 2

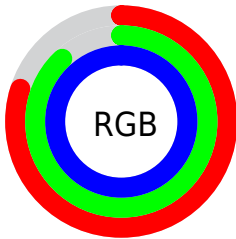
Format	Color
R_YB	204, 219, 255
Decimal	13427199
CIE Lab	89.00, -0.80, -16.89
CIE LCh	89, 16.906, 267.304
Yxy	74.1641, 0.2807, 0.2969
Android (android.graphics.Color)	4291617279 (0xFFCCE1FF)
YUV	222.1410, 16.1995, -15.9097
Hunter-Lab	86.1186, -5.3685, -12.3669

Details

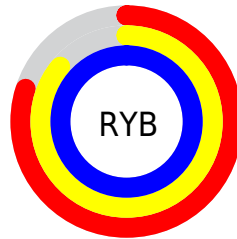
The CIELCh color `89, 16.906, 267.304` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 17.180, 81.463`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 16.735, 266.496` is the 20% darker color. If you saturate the color by 10%, you get `83, 25.208, 268.878`, and if you desaturate by 10%, it is `95, 8.299, 265.444`.

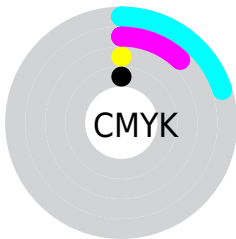
Distribution



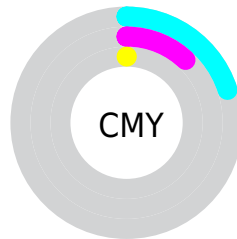
- Red (80%)
- Green (88%)
- Blue (100%)



- Red (80%)
- Yellow (86%)
- Blue (100%)



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 16.906, 267.304 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, 16.906, 267.304 by changing the saturation by 10% instead.

■ 89, 16.906,
267.304

■ 89, 16.906,
267.304

■ 100, 16.906,
267.304

■ 79, 16.906,
267.304

■ 69, 16.906,
267.304

■ 59, 16.906,
267.304

■ 49, 16.906,
267.304

■ 39, 16.906,
267.304

■ 29, 16.906,
267.304

■ 19, 16.906,

267.304

■ 9, 16.906, 267.304

■ 0, 16.906, 267.304

■ 89, 16.906,
267.304

■ 89, 16.906,
267.304

■ 83, 25.208,
268.878

■ 95, 8.299, 265.444

■ 78, 33.698,
271.082

100, 0.012,
296.813

■ 73, 42.218,
273.674

■ 67, 50.795,
276.693

■ 62, 59.485,

280.147

■ 58, 68.359,
283.986

■ 53, 77.467,
288.077

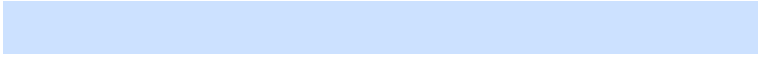
■ 49, 86.789,
292.151

■ 49, 86.916,
292.203

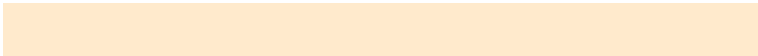
Harmonies

Complementary

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



89, 16.906, 267.304



94, 17.180, 81.463

Rectangle

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



89, 16.906, 267.304



89, 16.906, 317.304



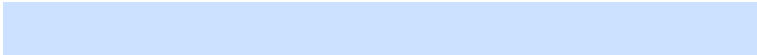
89, 16.906, 87.304



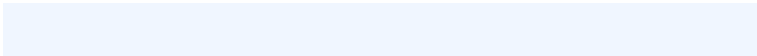
89, 16.906, 137.304

Sweetspot

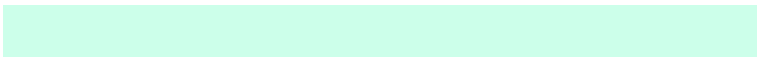
The Sweet Spot groups the original color and five complimentary colors.



89, 16.740, 267.013



97, 5.046, 264.922



96, 20.668, 166.562



51, 3.347, 265.006



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, 16.740, 267.013



87, 20.238, 267.746



84, 26.831, 295.396



50, 4.782, 265.393



37, 68.726, 291.467



10, 27.640, 285.624

Inverse Universe

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



87, 21.415, 350.422



84, 25.992, 350.891



99, 25.626, 111.771



50, 6.042, 349.335



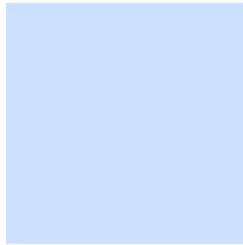
41, 68.170, 10.384



10, 31.335, 3.549

Previews

White Background



This preview shows how the CIE LCh color 89, 16.906, 267.304 looks on a white background.

Color Contrast Check

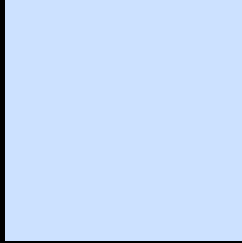
Large Text (above 18pt) WCAG AA × Fail

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, 16.906, 267.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

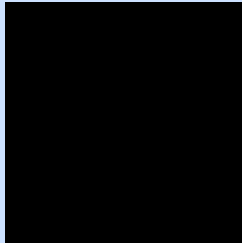
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

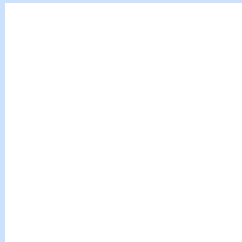
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 16.906, 267.304

Background



This preview shows how black text looks on a background with the CIELCh color 89, 16.906, 267.304.



This preview shows how white text looks on a background with the CIELCh color 89, 16.906, 267.304.

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, 16.906, 267.304

Protanopia

89, 16.189, 286.731

Deuteranopia

89, 19.735, 302.604



Tritanopia
89, 12.398, 248.396

Trichromacy



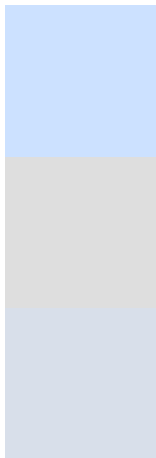
Original Color
89, 16.906, 267.304

Protanomaly
89, 16.418, 279.775

Deuteranomaly
89, 17.730, 290.535

Tritanomaly
89, 14.034, 258.077

Monochromacy



Original Color
89, 16.906, 267.304

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 6.192, 267.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 16.906, 267.304 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(204, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 225, 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(204, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 225, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 16.906, 267.304 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(204, 225, 255) }
```

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

```
.border{ border-color:rgb(204, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 225,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 16.906, 267.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 225, 255) }
```

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

```
.background{ background-color: rgb(204,  
225, 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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