

Converting Colors

CIELCh(89, 12.780, 233.809)

Have a look what the booklet for
CIELCh(89, 12.780, 233.809)
contains.

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Color

CIELCh(89, 12.773, 233.801)

Conversions

Conversions Part 1

Format	Color
Hex	C5E5F3
RGB	197, 229, 243
RGB Percent	77%, 90%, 95%
CMY	0.2286, 0.1031, 0.0482
CMYK	0.19, 0.06, 0.00, 0.05
HSL	198°, 65%, 86%
HSV	198°, 19%, 95%
XYZ	67.0244, 74.1641, 95.3456
YIQ	221.0280, -23.5660, -2.4300

Conversions

Conversions Part 2

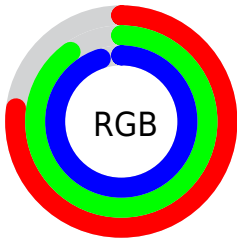
Format	Color
R _Y B	197, 216, 243
Decimal	12969459
CIE Lab	89.00, -7.54, -10.31
CIE LCh	89, 12.773, 233.801
Yxy	74.1641, 0.2834, 0.3135
Android (android.graphics.Color)	4291159539 (0xFFC5E5F3)
YUV	221.0280, 10.8322, -21.0726
Hunter-Lab	86.1186, -11.7845, -5.3595

Details

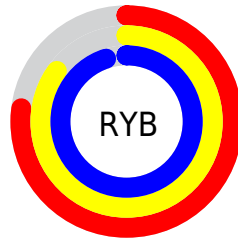
The CIELCh color `89, 12.773, 233.801` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `87, 14.233, 50.819`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.347, 201.292`, and `69, 12.691, 233.080` is the 20% darker color. If you saturate the color by 10%, you get `86, 18.998, 235.012`, and if you desaturate by 10%, it is `93, 6.170, 232.870`.

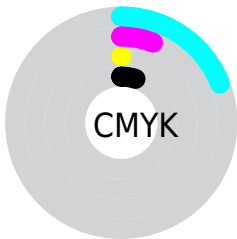
Distribution



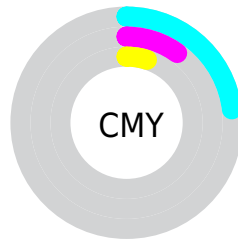
- Red (77%)
- Green (90%)
- Blue (95%)



- Red (77%)
- Yellow (85%)
- Blue (95%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (5%)



- Cyan (23%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 12.773, 233.801 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, 12.773, 233.801 by changing the saturation by 10% instead.

■ 89, 12.773,
233.801

■ 89, 12.773,
233.801

■ 100, 12.773,
233.801

■ 79, 12.773,
233.801

■ 69, 12.773,
233.801

■ 59, 12.773,
233.801

■ 49, 12.773,
233.801

■ 39, 12.773,
233.801

■ 29, 12.773,
233.801

■ 19, 12.773,

233.801

■ 9, 12.773, 233.801

■ 0, 12.773, 233.801

■ 89, 12.773,
233.801

■ 89, 12.773,
233.801

■ 86, 18.998,
235.012

■ 93, 6.170, 232.870

■ 82, 24.763,
236.572

■ 96, 0.732, 51.217

■ 79, 29.988,
238.548

■ 99, 4.378, 90.246

■ 100, 6.220,
109.700

■ 76, 34.611,
241.030

■ 73, 38.607,

244.113

■ 71, 42.011,
247.869

■ 68, 44.937,
252.322

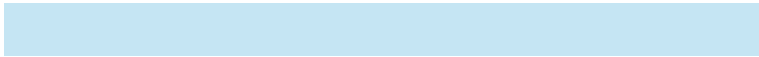
■ 66, 47.609,
257.340

■ 66, 47.898,
257.865

Harmonies

Complementary

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



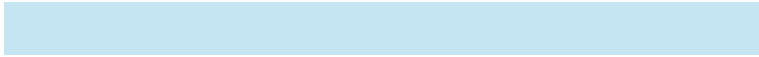
89, 12.773, 233.801



87, 14.233, 50.819

Rectangle

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



89, 12.773, 233.801



89, 12.773, 283.801



89, 12.773, 53.801



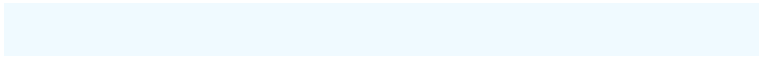
89, 12.773, 103.801

Sweetspot

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



89, 12.773, 233.793



98, 4.332, 232.672



92, 23.457, 152.868



52, 2.869, 232.711



0, 0.000, 0.000



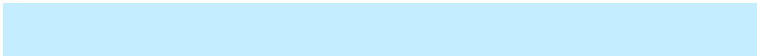
53, 0.007, 296.813

Same Dimension

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



89, 12.773, 233.793



92, 15.969, 234.257



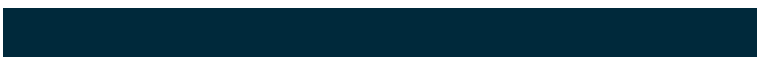
83, 19.619, 282.877



49, 3.941, 232.911



51, 38.929, 256.938



15, 16.330, 249.149

Inverse Universe

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



84, 23.572, 335.789



86, 29.822, 336.106



92, 19.211, 98.200



48, 7.077, 335.081



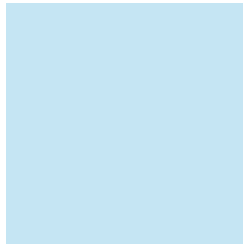
41, 72.664, 345.212



10, 33.174, 342.326

Previews

White Background



This preview shows how the CIE LCh color 89, 12.773, 233.801 looks on a white background.

Color Contrast Check

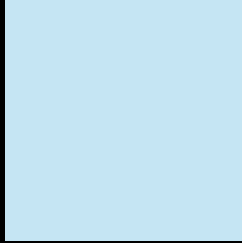
Large Text (above 18pt) WCAG AA × Fail

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, 12.773, 233.801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

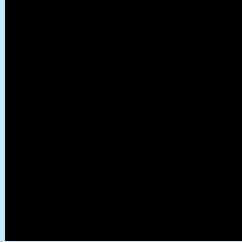
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 12.773, 233.801

Background



This preview shows how black text looks on a background with the CIELCh color 89, 12.773, 233.801.

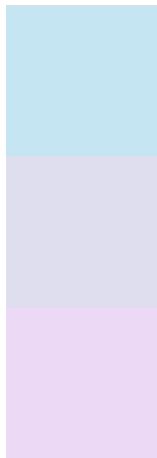


This preview shows how white text looks on a background with the CIELCh color 89, 12.773, 233.801.

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, 12.773, 233.801

Protanopia
89, 8.358, 293.252

Deuteranopia
89, 15.970, 314.366

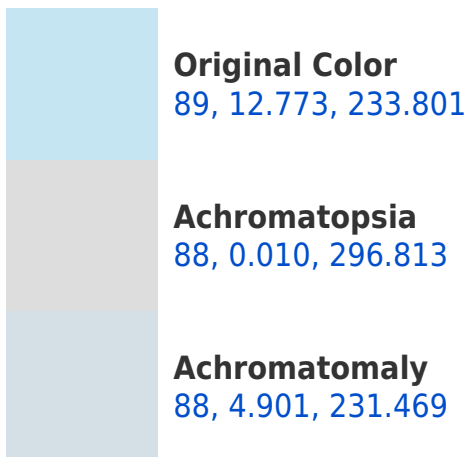


Tritanopia
89, 13.721, 242.227

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 12.773, 233.801 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(197, 229, 243)` looks like.

```
.text, #text, p{  
    color:rgb(197, 229, 243)  
}
```

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(197, 229, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 229, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 12.773, 233.801 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(197, 229, 243) }
```

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

```
.border{ border-color:rgb(197, 229, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 229, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 229, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 229, 243); box-shadow:4px 4px 4px 4px rgb(197, 229, 243) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 12.773, 233.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 229, 243) }
```

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

```
.background{ background-color: rgb(197,  
229, 243) }
```

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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