

Converting Colors

CIELCh(84, 24.769, 285.228)

Have a look what the booklet for
CIELCh(84, 24.769, 285.228)
contains.

CIELCh(84, 24.397, 284.571)	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(84, 24.397, 284.571)

Conversions

Conversions Part 1

Format	Color
Hex	C6D0FE
RGB	198, 208, 254
RGB Percent	78%, 82%, 100%
CMY	0.2247, 0.1855, 0.0051
CMYK	0.22, 0.18, 0.00, 0.01
HSL	229°, 96%, 89%
HSV	229°, 22%, 99%
XYZ	63.5311, 64.0658, 102.5208
YIQ	210.2540, -20.7260, 12.1860

Conversions

Conversions Part 2

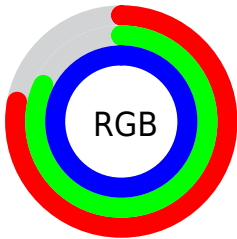
Format	Color
R _Y B	198, 206, 254
Decimal	13029630
CIE Lab	84.00, 6.14, -23.61
CIE LCh	84, 24.397, 284.571
Yxy	64.0658, 0.2761, 0.2784
Android (android.graphics.Color)	4291219710 (0xFFC6D0FE)
YUV	210.2540, 21.5668, -10.7468
Hunter-Lab	80.0411, 1.6090, -19.9129

Details

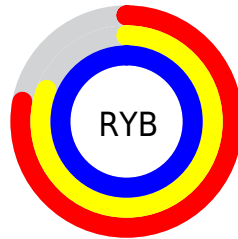
The CIELCh color `84, 24.397, 284.571` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `96, 23.710, 99.122`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 24.144, 283.963` is the 20% darker color. If you saturate the color by 10%, you get `77, 36.033, 286.258`, and if you desaturate by 10%, it is `91, 13.137, 283.132`.

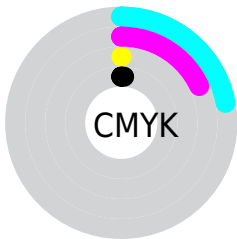
Distribution



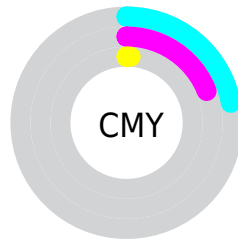
- Red (78%)
- Green (82%)
- Blue (100%)



- Red (78%)
- Yellow (81%)
- Blue (100%)



- Cyan (22%)
- Magenta (18%)
- Yellow (0%)
- Black (1%)





- Cyan (22%)
- Magenta (19%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 24.397, 284.571 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 84, 24.397, 284.571 by changing the saturation by 10% instead.


 84, 24.397,
284.571


 84, 24.397,
284.571


 100, 24.397,
284.571


 74, 24.397,
284.571

 64, 24.397,
284.571

 54, 24.397,
284.571

 44, 24.397,
284.571

 34, 24.397,
284.571

 24, 24.397,
284.571

 14, 24.397,

284.571

■ 4, 24.397, 284.571

■ 0, 24.397, 284.571

■ 84, 24.397,
284.571

■ 84, 24.397,
284.571

■ 77, 36.033,
286.258

■ 91, 13.137,
283.132

■ 70, 48.086,
288.234

■ 98, 2.228, 281.964

■ 63, 60.589,
290.523

100, 0.654,
110.011

■ 56, 73.544,
293.120

■ 50, 86.846,

295.964

■ 44, 100.134,
298.905

■ 39, 112.585,
301.689

■ 36, 121.026,
303.554

Harmonies

Complementary

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



84, 24.397, 284.571



96, 23.710, 99.122

Rectangle

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



84, 24.397, 284.571



84, 24.397, 334.571



84, 24.397, 104.571



84, 24.397, 154.571

Sweetspot

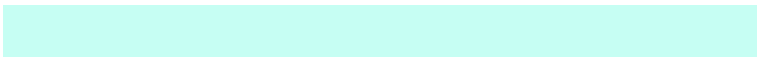
The Sweet Spot groups the original color and five complimentary colors.



84, 24.395, 284.569



95, 7.596, 282.493



96, 19.620, 182.554



50, 4.940, 282.566



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 24.395, 284.569



82, 29.044, 285.202



83, 30.364, 303.825



49, 6.191, 282.801



27, 96.561, 303.159



6, 38.413, 298.203

Inverse Universe

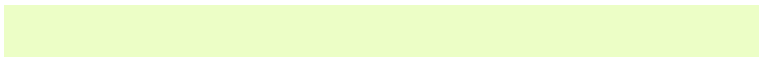
The Inverse Universe completely reimagines the original color for something new.



85, 21.558, 7.163



83, 25.756, 7.683



97, 29.102, 121.171



50, 5.391, 5.711



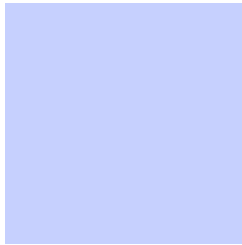
40, 76.012, 31.149



10, 32.110, 19.763

Previews

White Background



This preview shows how the CIE LCh color 84, 24.397, 284.571 looks on a white background.

Color Contrast Check

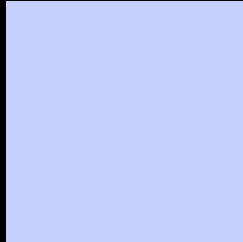
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 84, 24.397, 284.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

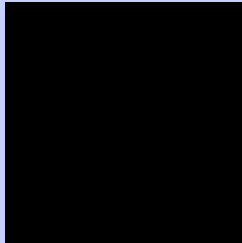
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 24.397, 284.571

Background



This preview shows how black text looks on a background with the CIELCh color 84, 24.397, 284.571.



This preview shows how white text looks on a background with the CIELCh color 84, 24.397, 284.571.

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

84, 24.397, 284.571

Protanopia

84, 24.356, 286.086

Deuteranopia

84, 25.907, 293.817



Tritanopia
84, 10.926, 254.505

Trichromacy



Original Color
84, 24.397, 284.571

Protanomaly
84, 24.356, 286.086

Deuteranomaly
84, 25.338, 290.839

Tritanomaly
84, 15.476, 272.447

Monochromacy



Original Color
84, 24.397, 284.571

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 9.011, 284.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 24.397, 284.571 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(198, 208, 254)` looks like.

```
.text, #text, p{  
    color:rgb(198, 208, 254)  
}
```

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(198, 208, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 208, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 24.397, 284.571 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(198, 208, 254) }
```

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

```
.border{ border-color:rgb(198, 208, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 208, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 208, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 208, 254);  
box-shadow:4px 4px 4px 4px rgb(198, 208,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 24.397, 284.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 208, 254) }
```

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

```
.background{ background-color: rgb(198,  
208, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor