

Converting Colors

CIELCh(85, 20.078, 294.474)

Have a look what the booklet for
CIELCh(85, 20.078, 294.474)
contains.

CIELCh(85, 20.042, 293.781)	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(85, 20.042, 293.781)

Conversions

Conversions Part 1

Format	Color
Hex	D3D1F7
RGB	211, 209, 247
RGB Percent	83%, 82%, 97%
CMY	0.1734, 0.1813, 0.0323
CMYK	0.15, 0.15, 0.00, 0.03
HSL	243°, 70%, 89%
HSV	243°, 15%, 97%
XYZ	66.2970, 66.0070, 97.0543
YIQ	213.9300, -11.0060, 12.2420

Conversions

Conversions Part 2

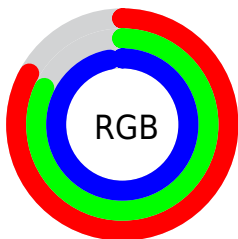
Format	Color
R _Y B	211, 209, 247
Decimal	13881847
CIE Lab	85.00, 8.08, -18.34
CIE LCh	85, 20.042, 293.781
Yxy	66.0070, 0.2891, 0.2878
Android (android.graphics.Color)	4292071927 (0xFFD3D1F7)
YUV	213.9300, 16.3035, -2.5696
Hunter-Lab	81.2447, 3.4806, -13.9561

Details

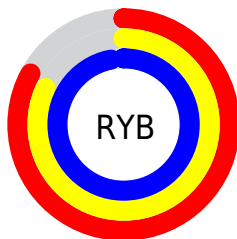
The CIELCh color `85, 20.042, 293.781` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `96, 19.343, 110.874`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 20.044, 293.258` is the 20% darker color. If you saturate the color by 10%, you get `77, 33.750, 294.996`, and if you desaturate by 10%, it is `93, 6.888, 292.746`.

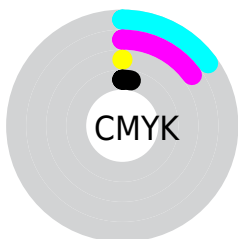
Distribution



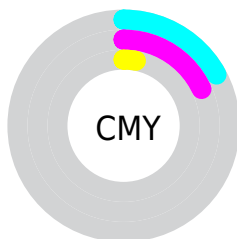
- Red (83%)
- Green (82%)
- Blue (97%)



- Red (83%)
- Yellow (82%)
- Blue (97%)



- Cyan (15%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)





- Cyan (17%)
- Magenta (18%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 20.042, 293.781 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 85, 20.042, 293.781 by changing the saturation by 10% instead.


 85, 20.042,
293.781


 85, 20.042,
293.781


 100, 20.042,
293.781


 75, 20.042,
293.781

 65, 20.042,
293.781

 55, 20.042,
293.781

 45, 20.042,
293.781

 35, 20.042,
293.781

 25, 20.042,
293.781

 15, 20.042,

293.781

■ 5, 20.042, 293.781

■ 0, 20.042, 293.781

■ 85, 20.042,
293.781

■ 85, 20.042,
293.781

■ 77, 33.750,
294.996

■ 93, 6.888, 292.746

■ 69, 48.049,
296.418

■ 100, 4.163,
109.848

■ 61, 62.928,
298.054

■ 54, 78.277,
299.887

■ 46, 93.728,

301.837

■ 40, 108.390,
303.726

■ 35, 120.586,
305.269

■ 32, 128.213,
306.156

■ 31, 130.295,
306.397

Harmonies

Complementary

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



85, 20.042, 293.781



96, 19.343, 110.874

Rectangle

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



85, 20.042, 293.781



85, 20.042, 343.781



85, 20.042, 113.781



85, 20.042, 163.781

Sweetspot

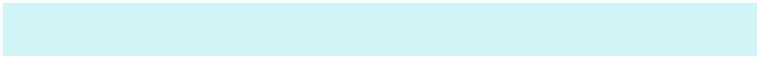
The Sweet Spot groups the original color and five complimentary colors.



85, 20.040, 293.779



96, 6.552, 292.710



94, 12.201, 203.293



51, 4.475, 292.776



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 20.040, 293.779



85, 24.193, 294.081



86, 21.296, 311.472



47, 7.264, 293.147



22, 105.368, 306.441



3, 40.054, 300.983

Inverse Universe

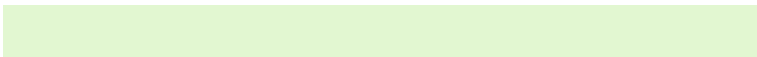
The Inverse Universe completely reimagines the original color for something new.



88, 23.107, 326.739



89, 27.768, 326.892



95, 20.898, 130.123



48, 8.451, 326.394



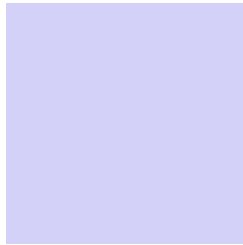
44, 87.545, 330.439



11, 39.136, 330.133

Previews

White Background



This preview shows how the CIE LCh color 85, 20.042, 293.781 looks on a white background.

Color Contrast Check

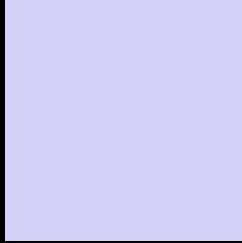
Large Text (above 18pt) WCAG AA × Fail

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 85, 20.042, 293.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

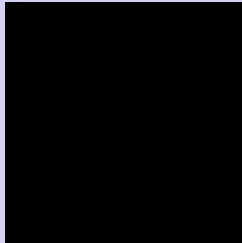
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 20.042, 293.781

Background



This preview shows how black text looks on a background with the CIELCh color 85, 20.042, 293.781.



This preview shows how white text looks on a background with the CIELCh color 85, 20.042, 293.781.

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](#).

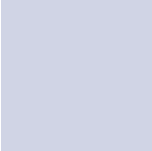
Dichromacy



Original Color
85, 20.042, 293.781

Protanopia
85, 20.042, 287.101

Deuteranopia
85, 21.360, 300.122



Tritanopia
85, 9.027, 282.078

Trichromacy



Original Color
85, 20.042, 293.781

Protanomaly
85, 20.011, 288.994

Deuteranomaly
85, 20.689, 297.510

Tritanomaly
85, 12.639, 288.131

Monochromacy



Original Color
85, 20.042, 293.781

Achromatopsia
86, 0.010, 296.813

Achromatomaly
85, 7.380, 293.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 20.042, 293.781 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(211, 209, 247)` looks like.

```
.text, #text, p{  
    color:rgb(211, 209, 247)  
}
```

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(211, 209, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 209, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 20.042, 293.781 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(211, 209, 247) }
```

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

```
.border{ border-color:rgb(211, 209, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 209, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 209, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 209, 247);  
box-shadow:4px 4px 4px 4px rgb(211, 209,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 20.042, 293.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 209, 247) }
```

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

```
.background{ background-color: rgb(211,  
209, 247) }
```

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