

Converting Colors

CIELCh(85, 22.758, 288.110)

Have a look what the booklet for
CIELCh(85, 22.758, 288.110)
contains.

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Color

CIELCh(85, 22.659, 287.911)

Conversions

Conversions Part 1

Format	Color
Hex	CDD2FD
RGB	205, 210, 253
RGB Percent	80%, 82%, 99%
CMY	0.1970, 0.1773, 0.0087
CMYK	0.19, 0.17, 0.00, 0.01
HSL	234°, 91%, 90%
HSV	234°, 19%, 99%
XYZ	65.7989, 66.0070, 102.0080
YIQ	213.4070, -16.7830, 12.3130

Conversions

Conversions Part 2

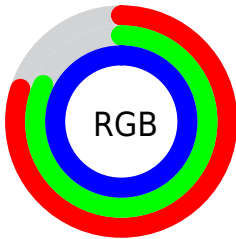
Format	Color
R _Y B	205, 210, 253
Decimal	13488893
CIE Lab	85.00, 6.97, -21.56
CIE LCh	85, 22.659, 287.911
Yxy	66.0070, 0.2814, 0.2823
Android (android.graphics.Color)	4291678973 (0xFFCDD2FD)
YUV	213.4070, 19.5193, -7.3729
Hunter-Lab	81.2447, 2.3863, -17.5712

Details

The CIELCh color `85, 22.659, 287.911` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 21.904, 103.567`, 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, 22.283, 287.251` is the 20% darker color. If you saturate the color by 10%, you get `77, 35.242, 289.437`, and if you desaturate by 10%, it is `93, 10.537, 286.614`.

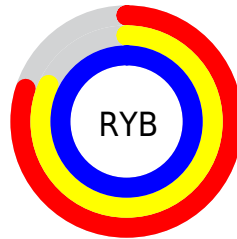
Distribution



Red (80%)

Green (82%)

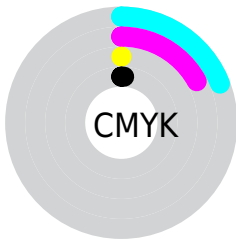
Blue (99%)



Red (80%)

Yellow (82%)

Blue (99%)

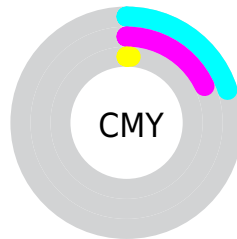


Cyan (19%)

Magenta (17%)

Yellow (0%)

Black (1%)



Cyan (20%)

Magenta (18%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 22.659, 287.911 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, 22.659, 287.911 by changing the saturation by 10% instead.

■ 85, 22.659,
287.911

■ 85, 22.659,
287.911

■ 100, 22.659,
287.911

■ 75, 22.659,
287.911

■ 65, 22.659,
287.911

■ 55, 22.659,
287.911

■ 45, 22.659,
287.911

■ 35, 22.659,
287.911

■ 25, 22.659,
287.911

■ 15, 22.659,

287.911

■ 5, 22.659, 287.911

■ 0, 22.659, 287.911

■ 85, 22.659,
287.911

■ 85, 22.659,
287.911

■ 77, 35.242,
289.437

■ 93, 10.537,
286.614

■ 70, 48.331,
291.229

100, 1.120,
110.025

■ 63, 61.951,
293.307

■ 55, 76.074,
295.665

■ 48, 90.506,

298.235

■ 42, 104.688,
300.850

■ 37, 117.427,
303.234

■ 34, 126.980,
305.046

■ 34, 127.719,
305.179

Harmonies

Complementary

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



85, 22.659, 287.911



97, 21.904, 103.567

Rectangle

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



85, 22.659, 287.911



85, 22.659, 337.911



85, 22.659, 107.911



85, 22.659, 157.911

Sweetspot

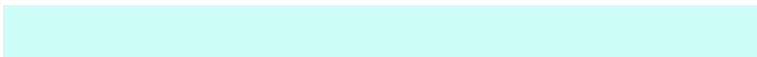
The Sweet Spot groups the original color and five complimentary colors.



85, 22.657, 287.909



95, 7.052, 286.270



96, 16.446, 188.297



50, 4.682, 286.344



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, 22.657, 287.909



83, 27.848, 288.494



85, 26.140, 305.943



49, 6.720, 286.676



25, 102.604, 304.918



5, 40.812, 299.871

Inverse Universe

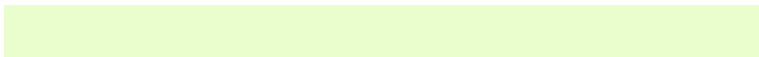
The Inverse Universe completely reimagines the original color for something new.



87, 18.100, 12.546



85, 22.364, 13.023



97, 25.297, 123.917



50, 5.293, 11.542



40, 79.773, 35.736



10, 32.572, 22.939

Previews

White Background



This preview shows how the CIE LCh color 85, 22.659, 287.911 looks on a white background.

Color Contrast Check

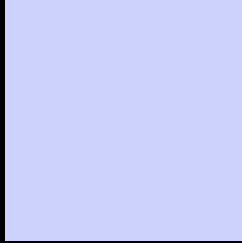
Large Text (above 18pt) WCAG AA × Fail

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, 22.659, 287.911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

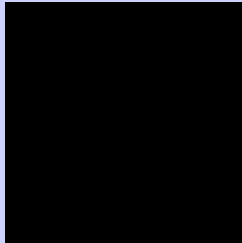
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 22.659, 287.911

Background



This preview shows how black text looks on a background with the CIELCh color 85, 22.659, 287.911.



This preview shows how white text looks on a background with the CIELCh color 85, 22.659, 287.911.

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, 22.659, 287.911

Protanopia

85, 22.702, 286.269

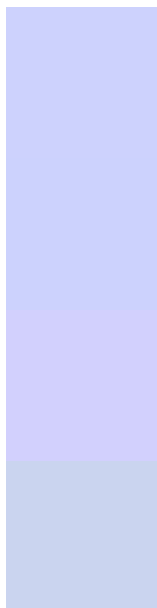
Deuteranopia

85, 24.373, 296.897



Tritanopia
85, 9.900, 264.108

Trichromacy



Original Color
85, 22.659, 287.911

Protanomaly
85, 22.678, 287.088

Deuteranomaly
85, 23.738, 293.764

Tritanomaly
85, 14.527, 277.917

Monochromacy



Original Color
85, 22.659, 287.911

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 7.912, 285.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 22.659, 287.911 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(205, 210, 253)` looks like.

```
.text, #text, p{  
    color:rgb(205, 210, 253)  
}
```

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(205, 210, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 210, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 22.659, 287.911 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(205, 210, 253) }
```

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

```
.border{ border-color:rgb(205, 210, 253) }
```

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

Here you see how a box with a 4 pixel rgb(205, 210, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 210, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 210, 253);  
box-shadow:4px 4px 4px 4px rgb(205, 210,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 22.659, 287.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 210, 253) }
```

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

```
.background{ background-color: rgb(205,  
210, 253) }
```

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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