

Converting Colors

CIELCh(85, 12.036, 266.053)

Have a look what the booklet for
CIELCh(85, 12.036, 266.053)
contains.

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Color

CIELCh(85, 12.046, 266.063)

Conversions

Conversions Part 1

Format	Color
Hex	C7D6EB
RGB	199, 214, 235
RGB Percent	78%, 84%, 92%
CMY	0.2209, 0.1620, 0.0797
CMYK	0.15, 0.09, 0.00, 0.08
HSL	215°, 47%, 85%
HSV	215°, 15%, 92%
XYZ	62.3808, 66.0070, 87.8007
YIQ	211.9090, -15.6810, 3.3510

Conversions

Conversions Part 2

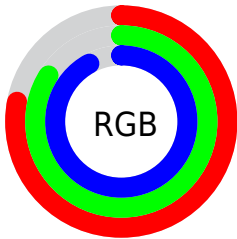
Format	Color
R _Y B	199, 210, 235
Decimal	13096683
CIE Lab	85.00, -0.83, -12.02
CIE LCh	85, 12.046, 266.063
Yxy	66.0070, 0.2885, 0.3053
Android (android.graphics.Color)	4291286763 (0xFFC7D6EB)
YUV	211.9090, 11.3839, -11.3212
Hunter-Lab	81.2447, -5.1235, -7.2030

Details

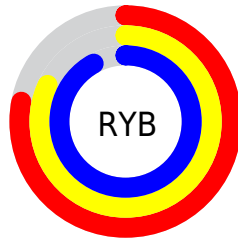
The CIELCh color `85, 12.046, 266.063` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `88, 12.282, 81.867`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 12.041, 267.064` is the 20% darker color. If you saturate the color by 10%, you get `80, 19.930, 267.774`, and if you desaturate by 10%, it is `90, 4.187, 264.637`.

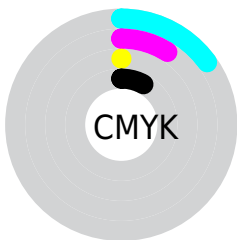
Distribution



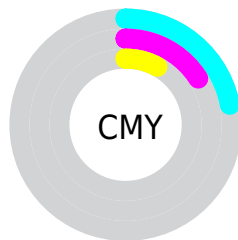
- Red (78%)
- Green (84%)
- Blue (92%)



- Red (78%)
- Yellow (82%)
- Blue (92%)



- Cyan (15%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)





- Cyan (22%)
- Magenta (16%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 12.046, 266.063 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, 12.046, 266.063 by changing the saturation by 10% instead.


 85, 12.046,
266.063


 85, 12.046,
266.063


 100, 12.046,
266.063


 75, 12.046,
266.063

 65, 12.046,
266.063

 55, 12.046,
266.063

 45, 12.046,
266.063

 35, 12.046,
266.063

 25, 12.046,
266.063

 15, 12.046,

266.063

■ 5, 12.046, 266.063

■ 0, 12.046, 266.063

■ 85, 12.046,
266.063

■ 85, 12.046,
266.063

■ 80, 19.930,
267.774

■ 90, 4.187, 264.637

■ 75, 27.833,
269.805

■ 95, 3.631, 83.203

■ 70, 35.754,
272.200

■ 99, 10.160,
108.883

■ 65, 43.710,
275.003

■ 100, 10.290,
109.399

■ 60, 51.739,

278.240

■ 55, 59.901,
281.893

■ 51, 68.262,
285.875

■ 47, 76.841,
290.006

■ 45, 80.911,
291.856

Harmonies

Complementary

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



85, 12.046, 266.063



88, 12.282, 81.867

Rectangle

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



85, 12.046, 266.063



85, 12.046, 316.063



85, 12.046, 86.063



85, 12.046, 136.063

Sweetspot

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



85, 12.045, 266.056



97, 4.197, 264.600



90, 15.134, 166.050



51, 2.863, 264.685



0, 0.000, 0.000



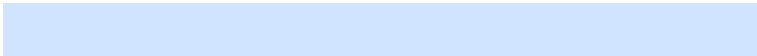
53, 0.007, 296.813

Same Dimension

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



85, 12.045, 266.056



90, 15.129, 266.498



81, 19.172, 294.283



46, 4.457, 265.181



35, 65.453, 291.144



8, 23.771, 283.756

Inverse Universe

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



84, 15.383, 349.796



88, 19.383, 350.086



92, 18.511, 111.472



46, 5.649, 349.197



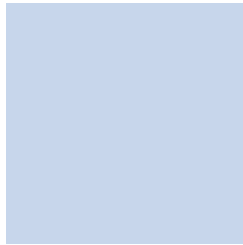
38, 65.411, 9.959



8, 28.028, 1.635

Previews

White Background



This preview shows how the CIELCh color 85, 12.046, 266.063 looks on a white background.

Color Contrast Check

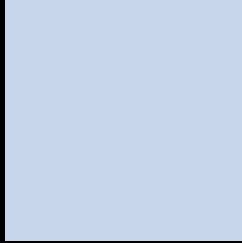
Large Text (above 18pt) WCAG AA × Fail

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, 12.046, 266.063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

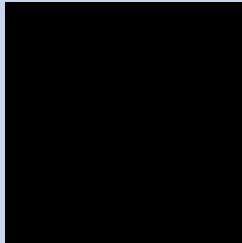
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

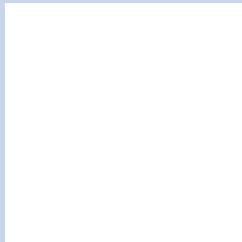
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 12.046, 266.063

Background



This preview shows how black text looks on a background with the CIELCh color 85, 12.046, 266.063.



This preview shows how white text looks on a background with the CIELCh color 85, 12.046, 266.063.

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, 12.046, 266.063

Protanopia

85, 11.580, 289.452

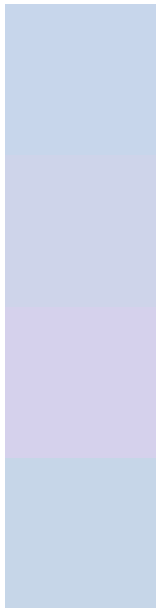
Deuteranopia

85, 16.728, 309.642



Tritanopia
85, 10.371, 259.047

Trichromacy



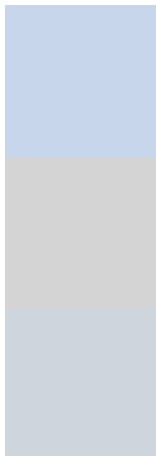
Original Color
85, 12.046, 266.063

Protanomaly
85, 11.715, 281.030

Deuteranomaly
85, 14.319, 296.906

Tritanomaly
85, 10.814, 260.610

Monochromacy



Original Color
85, 12.046, 266.063

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 4.221, 260.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 12.046, 266.063 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(199, 214, 235)` looks like.

```
.text, #text, p{  
    color:rgb(199, 214, 235)  
}
```

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(199, 214, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 214, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 12.046, 266.063 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(199, 214, 235) }
```

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

```
.border{ border-color:rgb(199, 214, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 214, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 214, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 214, 235);  
box-shadow:4px 4px 4px 4px rgb(199, 214,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 12.046, 266.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 214, 235) }
```

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

```
.background{ background-color: rgb(199,  
214, 235) }
```

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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