

Converting Colors

CIELCh(85, 12.339, 232.637)

Have a look what the booklet for
CIELCh(85, 12.339, 232.637)
contains.

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Color

CIELCh(85, 12.339, 232.637)

Conversions

Conversions Part 1

Format	Color
Hex	BAD9E6
RGB	186, 217, 230
RGB Percent	73%, 85%, 90%
CMY	0.2693, 0.1477, 0.0967
CMYK	0.19, 0.06, 0.00, 0.10
HSL	198°, 47%, 82%
HSV	198°, 19%, 90%
XYZ	59.5557, 66.0070, 84.7099
YIQ	209.2130, -22.6490, -2.5290

Conversions

Conversions Part 2

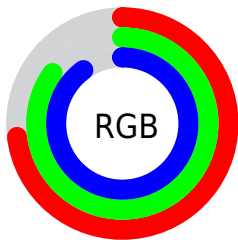
Format	Color
RYB	186, 204, 230
Decimal	12245478
CIELab	85.00, -7.49, -9.81
CIELCh	85, 12.339, 232.637
Yxy	66.0070, 0.2832, 0.3139
Android (android.graphics.Color)	4290435558 (0xFFBAD9E6)
YUV	209.2130, 10.2480, -20.3578
Hunter-Lab	81.2447, -11.3304, -4.9475

Details

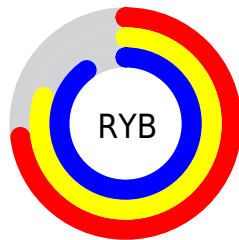
The CIELCh color `85, 12.339, 232.637` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `83, 13.786, 49.792`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 4.141, 199.303`, and `65, 12.529, 234.115` is the 20% darker color. If you saturate the color by 10%, you get `82, 18.287, 233.800`, and if you desaturate by 10%, it is `88, 6.018, 231.748`.

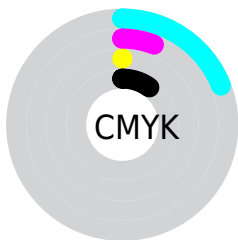
Distribution



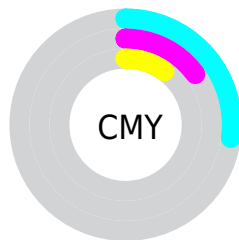
- Red (73%)
- Green (85%)
- Blue (90%)



- Red (73%)
- Yellow (80%)
- Blue (90%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)





- Cyan (27%)
- Magenta (15%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 12.339, 232.637 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, 12.339, 232.637 by changing the saturation by 10% instead.


 85, 12.339,
232.637


 85, 12.339,
232.637


 100, 12.339,
232.637


 75, 12.339,
232.637

 65, 12.339,
232.637

 55, 12.339,
232.637

 45, 12.339,
232.637

 35, 12.339,
232.637

 25, 12.339,
232.637

 15, 12.339,

232.637

■ 5, 12.339, 232.637

■ 0, 12.339, 232.637

■ 85, 12.339,
232.637

■ 85, 12.339,
232.637

■ 82, 18.287,
233.800

■ 88, 6.018, 231.748

■ 79, 23.783,
235.304

■ 92, 0.597, 49.982

■ 76, 28.746,
237.217

■ 95, 7.304, 50.903

■ 73, 33.116,
239.627

■ 97, 8.158, 81.931

■ 70, 36.864,

■ 99, 10.738,
102.296

■ 99, 12.483,

242.628

109.234

■ 68, 40.021,
246.297

■ 65, 42.691,
250.665

■ 63, 45.092,
255.602

■ 63, 45.313,
256.040

Harmonies

Complementary

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



85, 12.339, 232.637



83, 13.786, 49.792

Rectangle

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



85, 12.339, 232.637



85, 12.339, 282.637



85, 12.339, 52.637



85, 12.339, 102.637

Sweetspot

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



85, 12.339, 232.629



98, 4.335, 231.552



88, 22.954, 152.212



52, 2.871, 231.589



0, 0.000, 0.000



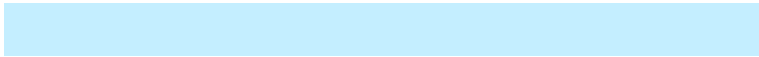
53, 0.007, 296.813

Same Dimension

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



85, 12.339, 232.629



92, 15.962, 233.064



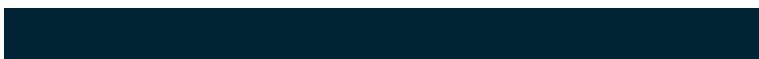
79, 18.599, 281.904



46, 3.740, 231.773



50, 37.159, 255.117



13, 14.679, 246.097

Inverse Universe

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



80, 22.923, 335.426



86, 30.006, 335.731



88, 18.258, 97.137



45, 6.754, 334.714



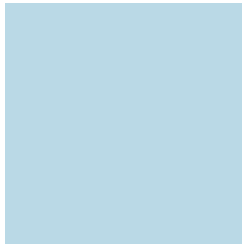
40, 70.873, 344.494



8, 30.615, 341.316

Previews

White Background



This preview shows how the CIE LCh color 85, 12.339, 232.637 looks on a white background.

Color Contrast Check

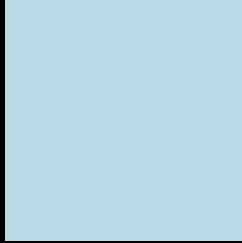
Large Text (above 18pt) WCAG AA × Fail

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, 12.339, 232.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

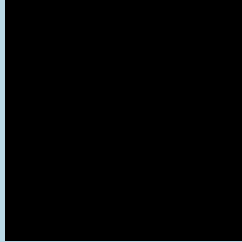
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 12.339, 232.637

Background



This preview shows how black text looks on a background with the CIELCh color 85, 12.339, 232.637.



This preview shows how white text looks on a background with the CIELCh color 85, 12.339, 232.637.

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](#).

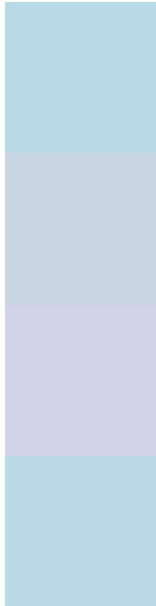
Dichromacy





Tritanopia
85, 13.256, 241.507

Trichromacy



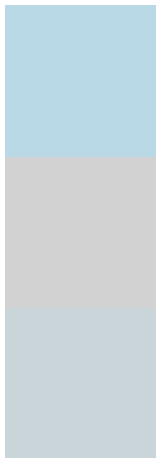
Original Color
85, 12.339, 232.637

Protanomaly
85, 8.688, 264.859

Deuteranomaly
85, 11.590, 291.166

Tritanomaly
85, 12.938, 239.642

Monochromacy



Original Color
85, 12.339, 232.637

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 4.701, 225.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 12.339, 232.637 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(186, 217, 230)` looks like.

```
.text, #text, p{  
    color:rgb(186, 217, 230)  
}
```

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(186, 217, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 217, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 12.339, 232.637 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(186, 217, 230) }
```

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

```
.border{ border-color:rgb(186, 217, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 217, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 217, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 217, 230);  
box-shadow:4px 4px 4px 4px rgb(186, 217,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 12.339, 232.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 217, 230) }
```

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

```
.background{ background-color: rgb(186,  
217, 230) }
```

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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