

Converting Colors

CIELCh(85, 3.785, 199.431)

Have a look what the booklet for
CIELCh(85, 3.785, 199.431) contains.

CIELCh(85, 3.568, 199.310)	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, 3.568, 199.310)

Conversions

Conversions Part 1

Format	Color
Hex	CCD6D6
RGB	204, 214, 214
RGB Percent	80%, 84%, 84%
CMY	0.1988, 0.1595, 0.1595
CMYK	0.05, 0.00, 0.00, 0.16
HSL	180°, 11%, 82%
HSV	180°, 5%, 84%
XYZ	61.2931, 66.0070, 73.3412
YIQ	211.0100, -5.9600, -2.1200

Conversions

Conversions Part 2

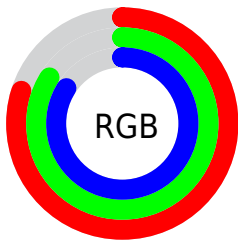
Format	Color
R _Y B	204, 209, 214
Decimal	13424342
CIE Lab	85.00, -3.37, -1.18
CIE LCh	85, 3.568, 199.310
Yxy	66.0070, 0.3055, 0.3290
Android (android.graphics.Color)	4291614422 (0xFFCCD6D6)
YUV	211.0100, 1.4741, -6.1478
Hunter-Lab	81.2447, -7.5131, 3.3490

Details

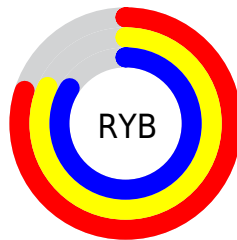
The CIELCh color **85, 3.568, 199.310** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 3.675, 19.502**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **65, 3.386, 199.237** is the 20% darker color. If you saturate the color by 10%, you get **84, 10.931, 198.643**, and if you desaturate by 10%, it is **87, 4.162, 19.541**.

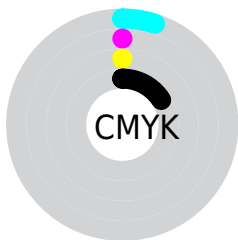
Distribution



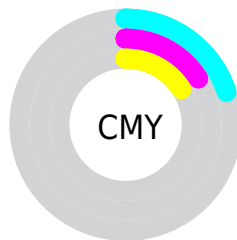
- Red (80%)
- Green (84%)
- Blue (84%)



- Red (80%)
- Yellow (82%)
- Blue (84%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)



- Cyan (20%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 3.568, 199.310 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, 3.568, 199.310 by changing the saturation by 10% instead.

■ 85, 3.568, 199.310

■ 85, 3.568, 199.310

■ 100, 3.568,
199.310

■ 75, 3.568, 199.310

■ 65, 3.568, 199.310

■ 55, 3.568, 199.310

■ 45, 3.568, 199.310

■ 35, 3.568, 199.310

■ 25, 3.568, 199.310

■ 15, 3.568, 199.310

■ 5, 3.568, 199.310

■ 0, 3.568, 199.310

85, 3.568, 199.310

85, 3.568, 199.310

84, 10.931,
198.643

87, 4.162, 19.541

82, 17.804,
198.137

88, 12.159, 20.222

81, 24.066,
197.693

89, 15.124, 20.443

80, 29.593,
197.310

89, 15.124, 20.428

79, 34.276,
196.990

89, 15.124, 20.414

79, 38.035,
196.736

89, 15.124, 20.400

78, 40.832,
196.548

89, 15.124, 20.385

78, 42.682,
196.423

89, 15.123, 20.371

89, 15.123, 20.356

 78, 43.668,
196.355

Harmonies

Complementary

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



85, 3.568, 199.310



83, 3.675, 19.502

Rectangle

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



85, 3.568, 199.310



85, 3.568, 249.310



85, 3.568, 19.310



85, 3.568, 69.310

Sweetspot

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



85, 3.569, 199.281



100, 0.886, 200.068



85, 6.388, 143.783



53, 0.504, 200.110



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, 3.569, 199.281



99, 5.264, 199.168



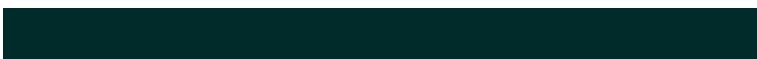
84, 3.127, 254.292



45, 3.022, 199.129



63, 37.132, 196.334



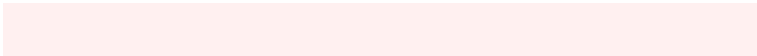
15, 14.561, 196.343

Inverse Universe

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



83, 3.675, 19.502



96, 5.468, 19.628



84, 3.153, 72.911



43, 3.149, 19.674



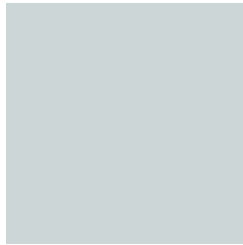
35, 77.334, 39.885



5, 22.000, 19.752

Previews

White Background



This preview shows how the CIELCh color 85, 3.568, 199.310 looks on a white background.

Color Contrast Check

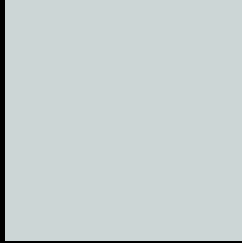
Large Text (above 18pt) WCAG AA × Fail

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 85, 3.568, 199.310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

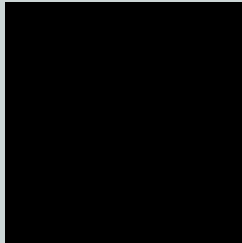
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

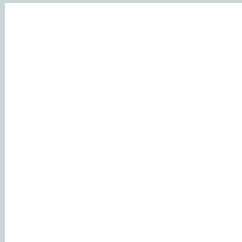
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 3.568, 199.310

Background



This preview shows how black text looks on a background with the CIELCh color 85, 3.568, 199.310.



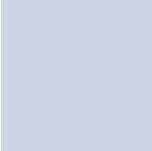
This preview shows how white text looks on a background with the CIELCh color 85, 3.568, 199.310.

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, 9.081, 279.915

Trichromacy



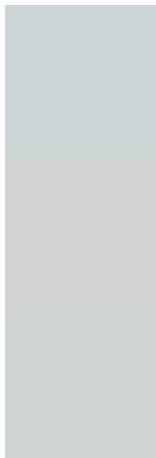
Original Color
85, 3.568, 199.310

Protanomaly
85, 0.535, 290.348

Deuteranomaly
85, 6.011, 342.033

Tritanomaly
85, 6.244, 267.534

Monochromacy



Original Color
85, 3.568, 199.310

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 1.079, 199.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 3.568, 199.310 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(204, 214, 214)` looks like.

```
.text, #text, p{  
    color:rgb(204, 214, 214)  
}
```

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(204, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 214, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 3.568, 199.310 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(204, 214, 214) }
```

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

```
.border{ border-color:rgb(204, 214, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 214, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(204, 214,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 3.568, 199.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 214, 214) }
```

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

```
.background{ background-color: rgb(204,  
214, 214) }
```

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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