

Converting Colors

CIELCh(85, 0.961, 197.954)

Have a look what the booklet for
CIELCh(85, 0.961, 197.954) contains.

CIELCh(85, 1.078, 199.864)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(85, 1.078, 199.864)

Conversions

Conversions Part 1

Format	Color
Hex	D2D5D5
RGB	210, 213, 213
RGB Percent	82%, 84%, 84%
CMY	0.1770, 0.1652, 0.1652
CMYK	0.01, 0.00, 0.00, 0.17
HSL	180°, 3%, 83%
HSV	180°, 1%, 83%
XYZ	62.3004, 66.0070, 72.3249
YIQ	212.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

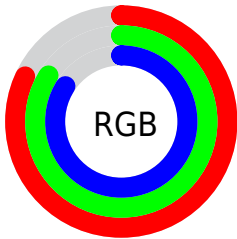
Format	Color
R _Y B	210, 212, 213
Decimal	13817301
CIE Lab	85.00, -1.01, -0.37
CIE LCh	85, 1.078, 199.864
Yxy	66.0070, 0.3105, 0.3290
Android (android.graphics.Color)	4292007381 (0xFFD2D5D5)
YUV	212.1030, 0.4422, -1.8443
Hunter-Lab	81.2447, -5.3001, 4.0907

Details

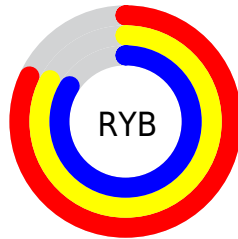
The CIELCh color $85, 1.078, 199.864$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84, 1.091, 18.865$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $65, 0.760, 199.946$ is the 20% darker color. If you saturate the color by 10%, you get $83, 8.533, 198.754$, and if you desaturate by 10%, it is $87, 6.706, 19.716$.

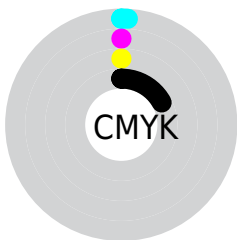
Distribution



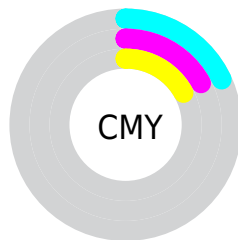
- Red (82%)
- Green (84%)
- Blue (84%)



- Red (82%)
- Yellow (83%)
- Blue (84%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 1.078, 199.864 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, 1.078, 199.864 by changing the saturation by 10% instead.

■ 85, 1.078, 199.864

■ 85, 1.078, 199.864

■ 100, 1.078,
199.864

■ 75, 1.078, 199.864

■ 65, 1.078, 199.864

■ 55, 1.078, 199.864

■ 45, 1.078, 199.864

■ 35, 1.078, 199.864

■ 25, 1.078, 199.864

■ 15, 1.078, 199.864

■ 5, 1.078, 199.864

■ 0, 1.078, 199.864

85, 1.078, 199.864

85, 1.078, 199.864

83, 8.533, 198.754

87, 6.706, 19.716

82, 15.542,
198.221

88, 14.724, 20.361

81, 21.984,
197.754

89, 15.694, 20.395

89, 15.694, 20.348

80, 27.736,
197.346

89, 15.693, 20.301

79, 32.682,
197.001

89, 15.692, 20.254

89, 15.691, 20.207

79, 36.732,
196.719

89, 15.691, 20.160

78, 39.833,
196.503

89, 15.690, 20.113

78, 41.980,
196.349

■ 78, 43.234,
196.253

Harmonies

Complementary

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



85, 1.078, 199.864



84, 1.091, 18.865

Rectangle

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



85, 1.078, 199.864



85, 1.078, 249.864



85, 1.078, 19.864



85, 1.078, 69.864

Sweetspot

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



85, 1.079, 199.764

100, 0.012, 296.813



85, 1.908, 144.063



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



85, 1.079, 199.764



100, 1.770, 199.569



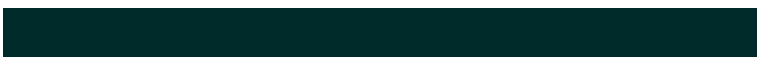
85, 0.946, 254.180



45, 0.872, 199.603



63, 37.153, 196.207



15, 14.568, 196.240

Inverse Universe

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



84, 1.091, 18.865



99, 1.795, 19.061



85, 0.935, 72.999



45, 0.884, 19.026



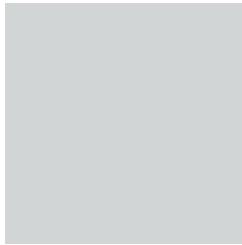
35, 77.299, 39.851



5, 21.999, 19.715

Previews

White Background



This preview shows how the CIELCh color 85, 1.078, 199.864 looks on a white background.

Color Contrast Check

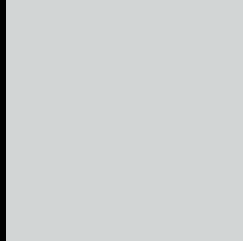
Large Text (above 18pt) WCAG AA × Fail

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, 1.078, 199.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

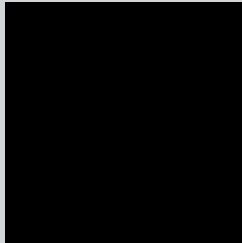
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

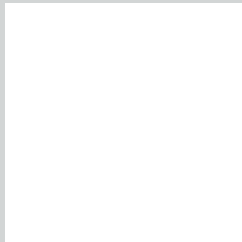
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 1.078, 199.864

Background



This preview shows how black text looks on a background with the CIELCh color 85, 1.078, 199.864.

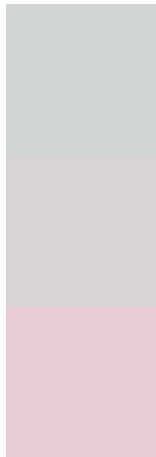


This preview shows how white text looks on a background with the CIELCh color 85, 1.078, 199.864.

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, 1.078, 199.864

Protanopia

85, 1.897, 3.174

Deuteranopia

85, 10.972, 354.763



Tritanopia
85, 8.437, 293.281

Trichromacy



Original Color

85, 1.078, 199.864

Protanomaly

85, 0.725, 18.664

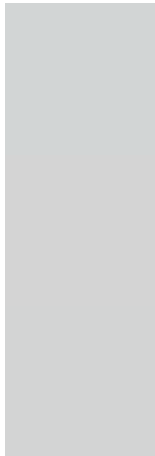
Deuteranomaly

85, 6.646, 351.557

Tritanomaly

85, 5.271, 286.788

Monochromacy



Original Color

85, 1.078, 199.864

Achromatopsia

85, 0.010, 296.813

Achromatomaly

85, 0.360, 200.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 1.078, 199.864 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(210, 213, 213)` looks like.

```
.text, #text, p{  
    color:rgb(210, 213, 213)  
}
```

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(210, 213, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 213, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 1.078, 199.864 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(210, 213, 213) }
```

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

```
.border{ border-color:rgb(210, 213, 213) }
```

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

Here you see how a box with a 4 pixel rgb(210, 213, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 213, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 213, 213);  
box-shadow:4px 4px 4px 4px rgb(210, 213,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 1.078, 199.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 213, 213) }
```

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

```
.background{ background-color: rgb(210,  
213, 213) }
```

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