

Converting Colors

CIELCh(85, 22.560, 102.271)

Have a look what the booklet for
CIELCh(85, 22.560, 102.271)
contains.

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Color

CIELCh(85, 22.541, 102.282)

Conversions

Conversions Part 1

Format	Color
Hex	DCD6AB
RGB	220, 214, 171
RGB Percent	86%, 84%, 67%
CMY	0.1386, 0.1621, 0.3307
CMYK	0.00, 0.03, 0.22, 0.14
HSL	53°, 41%, 77%
HSV	53°, 22%, 86%
XYZ	60.6874, 66.0070, 47.9036
YIQ	210.8920, 17.3790, -12.1010

Conversions

Conversions Part 2

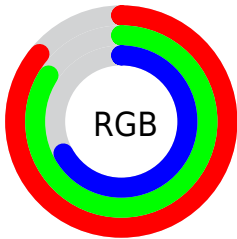
Format	Color
RYB	178, 220, 171
Decimal	14472875
CIELab	85.00, -4.79, 22.03
CIELCh	85, 22.541, 102.282
Yxy	66.0070, 0.3476, 0.3781
Android (android.graphics.Color)	4292662955 (0xFFDCD6AB)
YUV	210.8920, -19.6668, 7.9877
Hunter-Lab	81.2447, -8.8440, 21.9127

Details

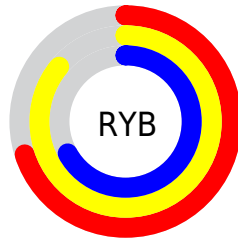
The CIELCh color **85, 22.541, 102.282** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 23.401, 287.500**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.673, 109.069**, and **65, 22.139, 101.290** is the 20% darker color. If you saturate the color by 10%, you get **84, 32.589, 101.179**, and if you desaturate by 10%, it is **86, 12.429, 103.378**.

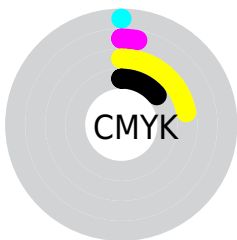
Distribution



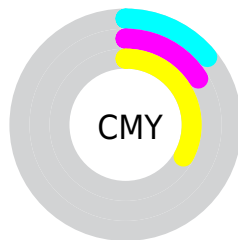
- Red (86%)
- Green (84%)
- Blue (67%)



- Red (70%)
- Yellow (86%)
- Blue (67%)



- Cyan (0%)
- Magenta (3%)
- Yellow (22%)
- Black (14%)





- Cyan (14%)
- Magenta (16%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 22.541, 102.282 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, 22.541, 102.282 by changing the saturation by 10% instead.


 85, 22.541,
102.282


 85, 22.541,
102.282


 100, 22.541,
102.282


 75, 22.541,
102.282

 65, 22.541,
102.282

 55, 22.541,
102.282

 45, 22.541,
102.282

 35, 22.541,
102.282

 25, 22.541,
102.282

 15, 22.541,

102.282

■ 5, 22.541, 102.282

■ 0, 22.541, 102.282

■ 85, 22.541,
102.282

■ 85, 22.541,
102.282

■ 84, 32.589,
101.179

■ 86, 12.429,
103.378

■ 83, 42.457,
100.066

■ 87, 2.312, 104.403

■ 82, 51.962, 98.963

■ 89, 7.767, 285.510

■ 81, 60.805, 97.885

■ 90, 15.965,
285.730

■ 80, 68.531, 96.848

■ 90, 14.654,
281.527

■ 79, 74.527, 95.857

■ 91, 13.435,
276.554

■ 79, 78.179, 94.904

■ 92, 12.337,
270.670

■ 78, 79.507, 94.181

■ 93, 11.391,
263.752

■ 93, 10.637,
255.751

Harmonies

Complementary

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



85, 22.541, 102.282



73, 23.401, 287.500

Rectangle

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



85, 22.541, 102.282



85, 22.541, 152.282



85, 22.541, 282.282



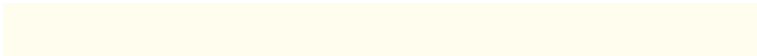
85, 22.541, 332.282

Sweetspot

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



85, 22.543, 102.287



99, 7.974, 103.935



74, 19.222, 10.654



53, 5.182, 103.871



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, 22.543, 102.287



96, 30.787, 101.743



85, 26.407, 123.112



46, 5.726, 103.684



63, 66.726, 94.333



16, 23.481, 96.868

Inverse Universe

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



73, 23.401, 287.500



80, 32.264, 288.262



73, 27.472, 305.564



43, 5.820, 285.775



22, 93.799, 304.435



3, 27.101, 292.160

Previews

White Background



This preview shows how the CIELCh color 85, 22.541, 102.282 looks on a white background.

Color Contrast Check

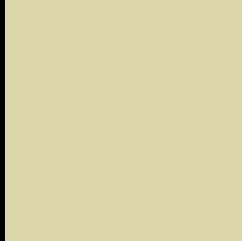
Large Text (above 18pt) WCAG AA × Fail

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, 22.541, 102.282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

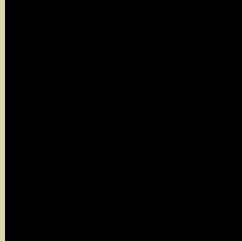
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

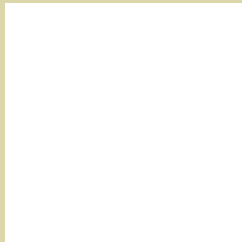
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 22.541, 102.282

Background



This preview shows how black text looks on a background with the CIELCh color 85, 22.541, 102.282.



This preview shows how white text looks on a background with the CIELCh color 85, 22.541, 102.282.

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, 22.541, 102.282

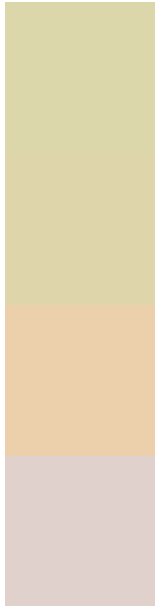
Protanopia
85, 22.527, 95.194

Deuteranopia
85, 23.448, 63.610



Tritanopia
85, 10.880, 329.577

Trichromacy



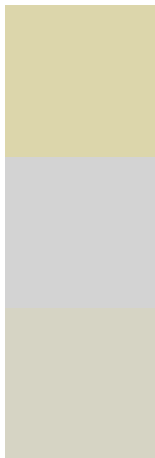
Original Color
85, 22.541, 102.282

Protanomaly
85, 22.777, 98.337

Deuteranomaly
85, 21.934, 78.329

Tritanomaly
85, 6.133, 44.944

Monochromacy



Original Color
85, 22.541, 102.282

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 8.412, 104.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 22.541, 102.282 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(220, 214, 171)` looks like.

```
.text, #text, p{  
    color:rgb(220, 214, 171)  
}
```

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(220, 214, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 214, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 22.541, 102.282 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(220, 214, 171) }
```

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

```
.border{ border-color:rgb(220, 214, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 214, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 214, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 214, 171);  
box-shadow:4px 4px 4px 4px rgb(220, 214,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 22.541, 102.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 214, 171) }
```

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

```
.background{ background-color: rgb(220,  
214, 171) }
```

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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