

Converting Colors

CIELCh(85, 10.238, 85.995)

Have a look what the booklet for
CIELCh(85, 10.238, 85.995) contains.

CIELCh(85, 10.291, 85.583)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(85, 10.291, 85.583)

Conversions

Conversions Part 1

Format	Color
Hex	DED3C1
RGB	222, 211, 193
RGB Percent	87%, 83%, 76%
CMY	0.1292, 0.1723, 0.2429
CMYK	0.00, 0.05, 0.13, 0.13
HSL	37°, 31%, 81%
HSV	37°, 13%, 87%
XYZ	63.0810, 66.0070, 59.9002
YIQ	212.2370, 12.3340, -3.2660

Conversions

Conversions Part 2

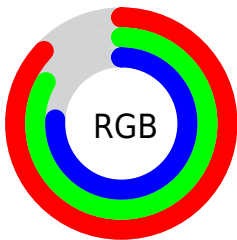
Format	Color
R _Y B	211, 222, 193
Decimal	14603201
CIE Lab	85.00, 0.79, 10.26
CIE LCh	85, 10.291, 85.583
Yxy	66.0070, 0.3338, 0.3493
Android (android.graphics.Color)	4292793281 (0xFFDED3C1)
YUV	212.2370, -9.4838, 8.5622
Hunter-Lab	81.2447, -3.5852, 13.1579

Details

The CIELCh color **85, 10.291, 85.583** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82, 10.198, 269.104**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 3.032, 109.926**, and **65, 10.740, 87.065** is the 20% darker color. If you saturate the color by 10%, you get **82, 18.430, 84.288**, and if you desaturate by 10%, it is **88, 2.372, 86.778**.

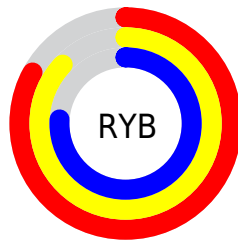
Distribution



Red (87%)

Green (83%)

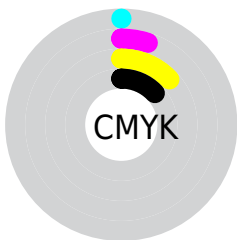
Blue (76%)



Red (83%)

Yellow (87%)

Blue (76%)

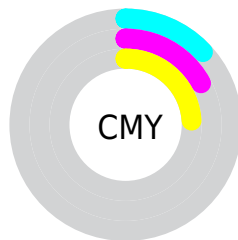


Cyan (0%)

Magenta (5%)

Yellow (13%)

Black (13%)



Cyan (13%)

Magenta (17%)

Yellow (24%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 10.291, 85.583 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, 10.291, 85.583 by changing the saturation by 10% instead.

 85, 10.291, 85.583

 85, 10.291, 85.583

 100, 10.291,
85.583

 75, 10.291, 85.583

 65, 10.291, 85.583

 55, 10.291, 85.583

 45, 10.291, 85.583

 35, 10.291, 85.583

 25, 10.291, 85.583

 15, 10.291, 85.583

 5, 10.291, 85.583

 0, 10.291, 85.583

85, 10.291, 85.583

85, 10.291, 85.583

82, 18.430, 84.288

88, 2.372, 86.778

80, 26.778, 82.934

90, 5.338, 268.190

77, 35.300, 81.539

93, 10.674,
264.145

75, 43.905, 80.098

95, 9.192, 234.136

73, 52.403, 78.590

97, 10.531,
203.954

70, 60.429, 76.959

68, 67.343, 75.092

98, 11.135,
198.763

66, 72.245, 72.782

65, 74.435, 70.906

Harmonies

Complementary

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



85, 10.291, 85.583



82, 10.198, 269.104

Rectangle

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



85, 10.291, 85.583



85, 10.291, 135.583



85, 10.291, 265.583



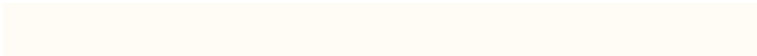
85, 10.291, 315.583

Sweetspot

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



85, 10.292, 85.596



99, 3.476, 86.686



81, 12.242, 351.641



53, 2.474, 86.606



0, 0.000, 0.000



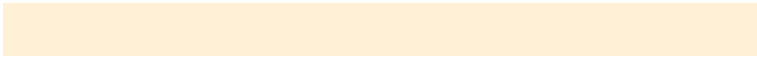
53, 0.007, 296.813

Same Dimension

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



85, 10.292, 85.596



95, 14.168, 85.201



88, 15.123, 113.728



46, 4.489, 86.051



52, 62.523, 71.456



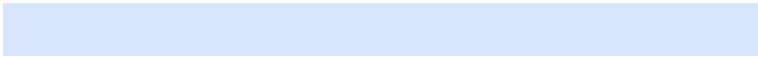
13, 20.272, 73.741

Inverse Universe

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



82, 10.198, 269.104



91, 13.996, 269.575



79, 15.573, 295.883



44, 4.465, 268.583



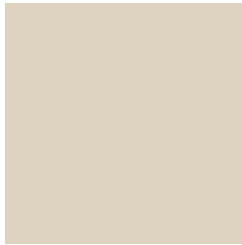
32, 68.368, 293.685



6, 22.751, 284.187

Previews

White Background



This preview shows how the CIELCh color 85, 10.291, 85.583 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, 10.291, 85.583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

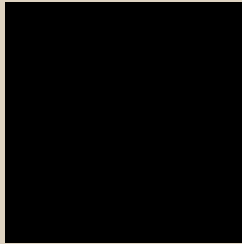
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

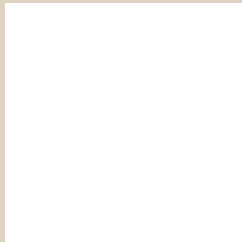
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 10.291, 85.583

Background



This preview shows how black text looks on a background with the CIELCh color 85, 10.291, 85.583.

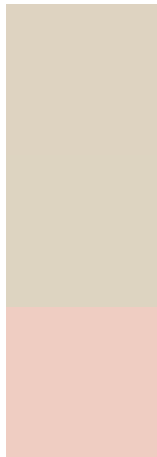


This preview shows how white text looks on a background with the CIELCh color 85, 10.291, 85.583.

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, 10.291, 85.583

Protanopia

85, 10.498, 90.468

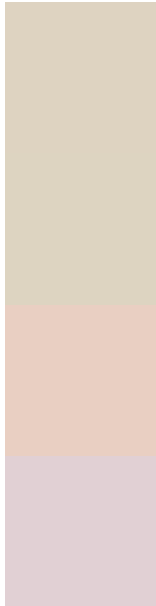
Deuteranopia

85, 14.221, 44.018



Tritanopia
85, 10.880, 329.577

Trichromacy



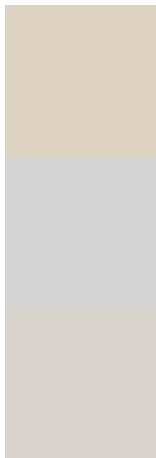
Original Color
85, 10.291, 85.583

Protanomaly
85, 10.498, 90.468

Deuteranomaly
85, 12.016, 54.352

Tritanomaly
85, 6.574, 1.227

Monochromacy



Original Color
85, 10.291, 85.583

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 3.935, 87.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 10.291, 85.583 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(222, 211, 193)` looks like.

```
.text, #text, p{  
    color:rgb(222, 211, 193)  
}
```

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(222, 211, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 211, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 10.291, 85.583 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(222, 211, 193) }
```

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

```
.border{ border-color:rgb(222, 211, 193) }
```

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

Here you see how a box with a 4 pixel rgb(222, 211, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 211, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 211, 193);  
box-shadow:4px 4px 4px 4px rgb(222, 211,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 10.291, 85.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 211, 193) }
```

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

```
.background{ background-color: rgb(222,  
211, 193) }
```

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