

Converting Colors

CIELCh(85, 37.038, 106.541)

Have a look what the booklet for
CIELCh(85, 37.038, 106.541)
contains.

CIELCh(85, 36.684, 106.375)	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, 36.684, 106.375)

Conversions

Conversions Part 1

Format	Color
Hex	D9D891
RGB	217, 216, 145
RGB Percent	85%, 85%, 57%
CMY	0.1485, 0.1524, 0.4308
CMYK	0.00, 0.00, 0.33, 0.15
HSL	59°, 49%, 71%
HSV	59°, 33%, 85%
XYZ	58.3719, 66.0070, 36.5065
YIQ	208.2050, 23.3870, -21.8690

Conversions

Conversions Part 2

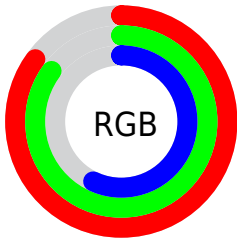
Format	Color
RYB	146, 217, 145
Decimal	14276753
CIELab	85.00, -10.34, 35.20
CIELCh	85, 36.684, 106.375
Yxy	66.0070, 0.3628, 0.4103
Android (android.graphics.Color)	4292466833 (0xFFD9D891)
YUV	208.2050, -31.1601, 7.7132
Hunter-Lab	81.2447, -13.9314, 30.2299

Details

The CIELCh color **85, 36.684, 106.375** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **63, 39.744, 293.866**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 27.734, 108.071**, and **65, 36.788, 106.208** is the 20% darker color. If you saturate the color by 10%, you get **85, 47.266, 105.428**, and if you desaturate by 10%, it is **85, 25.782, 107.355**.

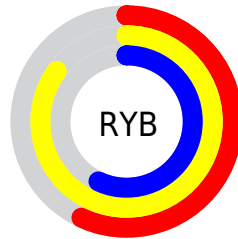
Distribution



Red (85%)

Green (85%)

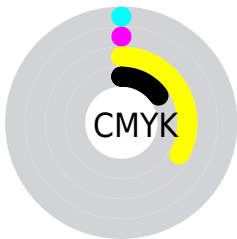
Blue (57%)



Red (57%)

Yellow (85%)

Blue (57%)

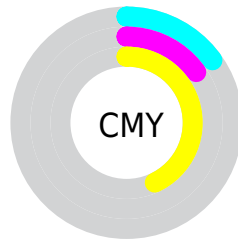


Cyan (0%)

Magenta (0%)

Yellow (33%)

Black (15%)



Cyan (15%)


Magenta (15%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 36.684, 106.375 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, 36.684, 106.375 by changing the saturation by 10% instead.


 85, 36.684,
106.375


 85, 36.684,
106.375


 100, 36.684,
106.375


 75, 36.684,
106.375

 65, 36.684,
106.375

 55, 36.684,
106.375

 45, 36.684,
106.375

 35, 36.684,
106.375

 25, 36.684,
106.375

 15, 36.684,

106.375

■ 5, 36.684, 106.375

■ 0, 36.684, 106.375

■ 85, 36.684,
106.375

■ 85, 36.684,
106.375

■ 85, 47.266,
105.428

■ 85, 25.782,
107.355

■ 84, 57.299,
104.529

■ 86, 14.699,
108.338

■ 84, 66.445,
103.714

■ 87, 3.529, 109.299

■ 84, 74.234,
103.020

■ 87, 7.668, 290.286

■ 84, 80.116,

■ 88, 18.855,
291.209

102.483

88, 19.366,
290.966

83, 83.654,
102.128

88, 19.204,
290.645

83, 84.948,
101.970

88, 19.043,
290.320

88, 18.883,
289.989

Harmonies

Complementary

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



85, 36.684, 106.375



63, 39.744, 293.866

Rectangle

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



85, 36.684, 106.375



85, 36.684, 156.375



85, 36.684, 286.375



85, 36.684, 336.375

Sweetspot

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



85, 36.686, 106.378



99, 12.729, 108.638



67, 29.363, 21.064



53, 8.683, 108.500



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, 36.686, 106.378



98, 50.070, 105.690



83, 39.773, 126.918



46, 6.394, 108.701



68, 71.836, 101.984



18, 26.145, 103.437

Inverse Universe

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



63, 39.744, 293.866



67, 55.463, 295.121



66, 41.761, 310.155



42, 6.534, 290.613



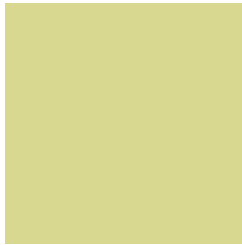
20, 99.558, 306.107



2, 29.315, 294.627

Previews

White Background



This preview shows how the CIELCh color 85, 36.684, 106.375 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, 36.684, 106.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

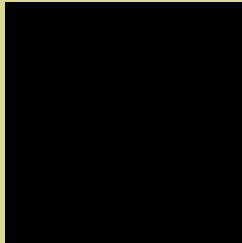
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

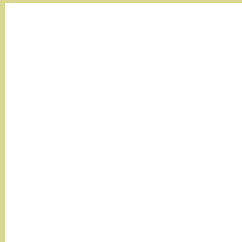
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 36.684, 106.375

Background



This preview shows how black text looks on a background with the CIELCh color 85, 36.684, 106.375.



This preview shows how white text looks on a background with the CIELCh color 85, 36.684, 106.375.

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](#).

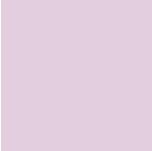
Dichromacy



Original Color
85, 36.684, 106.375

Protanopia
85, 36.573, 95.475

Deuteranopia
85, 35.769, 72.576



Tritanopia
85, 11.520, 329.344

Trichromacy



Original Color
85, 36.684, 106.375

Protanomaly
85, 36.521, 100.011

Deuteranomaly
85, 34.549, 85.142

Tritanomaly
85, 9.249, 77.569

Monochromacy



Original Color
85, 36.684, 106.375

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 13.631, 108.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 36.684, 106.375 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(217, 216, 145)` looks like.

```
.text, #text, p{  
    color:rgb(217, 216, 145)  
}
```

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(217, 216, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 216, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 36.684, 106.375 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(217, 216, 145) }
```

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

```
.border{ border-color:rgb(217, 216, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 216, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 216, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 216, 145);  
box-shadow:4px 4px 4px 4px rgb(217, 216,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 36.684, 106.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 216, 145) }
```

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

```
.background{ background-color: rgb(217,  
216, 145) }
```

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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