

Converting Colors

CIELCh(85, 40.812, 106.643)

Have a look what the booklet for
CIELCh(85, 40.812, 106.643)
contains.

CIELCh(85, 41.146, 106.625)	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, 41.146, 106.625)

Conversions

Conversions Part 1

Format	Color
Hex	D9D989
RGB	217, 217, 137
RGB Percent	85%, 85%, 54%
CMY	0.1500, 0.1500, 0.4637
CMYK	0.00, 0.00, 0.37, 0.15
HSL	60°, 51%, 69%
HSV	60°, 37%, 85%
XYZ	57.7846, 66.0070, 33.2727
YIQ	207.8800, 25.6800, -24.8800

Conversions

Conversions Part 2

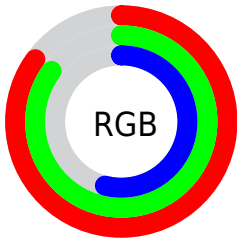
Format	Color
RYB	137, 217, 137
Decimal	14277001
CIELab	85.00, -11.77, 39.43
CIELCh	85, 41.146, 106.625
Yxy	66.0070, 0.3679, 0.4203
Android (android.graphics.Color)	4292467081 (0xFFD9D989)
YUV	207.8800, -34.9438, 7.9982
Hunter-Lab	81.2447, -15.2216, 32.5898

Details

The CIELCh color **85, 41.146, 106.625** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **60, 45.192, 295.017**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 32.214, 107.726**, and **65, 40.816, 106.404** is the 20% darker color. If you saturate the color by 10%, you get **85, 51.644, 105.715**, and if you desaturate by 10%, it is **85, 30.237, 107.581**.

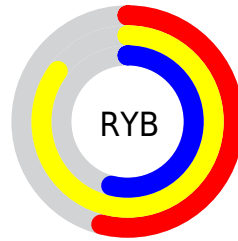
Distribution



Red (85%)

Green (85%)

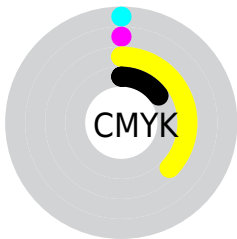
Blue (54%)



Red (54%)

Yellow (85%)

Blue (54%)

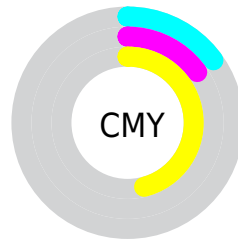


Cyan (0%)

Magenta (0%)

Yellow (37%)

Black (15%)



Cyan (15%)


Magenta (15%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 41.146, 106.625 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, 41.146, 106.625 by changing the saturation by 10% instead.


 85, 41.146,
106.625


 85, 41.146,
106.625


 100, 41.146,
106.625


 75, 41.146,
106.625

 65, 41.146,
106.625

 55, 41.146,
106.625

 45, 41.146,
106.625

 35, 41.146,
106.625

 25, 41.146,
106.625

 15, 41.146,

106.625

■ 5, 41.146, 106.625

■ 0, 41.146, 106.625

■ 85, 41.146,
106.625

■ 85, 41.146,
106.625

■ 85, 51.644,
105.715

■ 85, 30.237,
107.581

■ 84, 61.460,
104.871

■ 86, 19.087,
108.549

■ 84, 70.206,
104.131

■ 86, 7.810, 109.513

■ 84, 77.374,
103.536

■ 87, 3.523, 290.497

■ 84, 82.439,

■ 87, 14.863,
291.413

103.124

88, 20.015,
291.826

84, 85.141,
102.907

88, 20.015,
291.829

84, 85.722,
102.861

88, 20.015,
291.832

88, 20.015,
291.835

Harmonies

Complementary

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



85, 41.146, 106.625



60, 45.192, 295.017

Rectangle

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



85, 41.146, 106.625



85, 41.146, 156.625



85, 41.146, 286.625



85, 41.146, 336.625

Sweetspot

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



85, 41.147, 106.628



99, 14.193, 109.111



65, 33.167, 22.842



53, 9.534, 108.979



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, 41.147, 106.628



98, 55.478, 105.938



82, 44.288, 127.337



46, 6.483, 109.271



69, 72.577, 102.861



18, 26.501, 104.170

Inverse Universe

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



60, 45.192, 295.017



64, 62.475, 296.387



63, 46.689, 310.906



42, 6.628, 291.162



20, 100.215, 306.288



2, 29.602, 294.919

Previews

White Background



This preview shows how the CIELCh color 85, 41.146, 106.625 looks on a white background.

Color Contrast Check

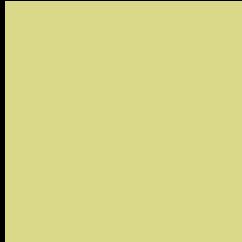
Large Text (above 18pt) WCAG AA × Fail

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, 41.146, 106.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

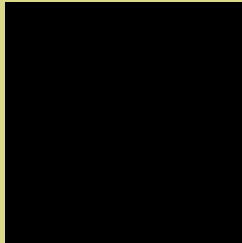
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 41.146, 106.625

Background



This preview shows how black text looks on a background with the CIELCh color 85, 41.146, 106.625.

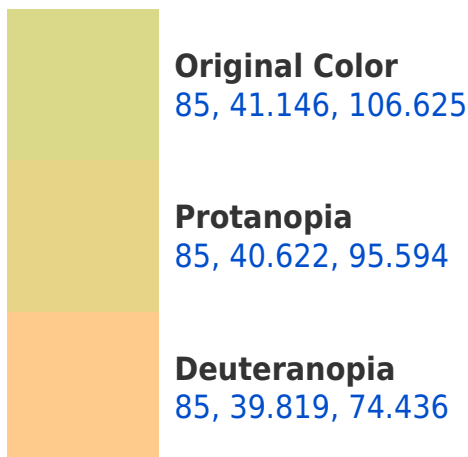


This preview shows how white text looks on a background with the CIELCh color 85, 41.146, 106.625.

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, 11.748, 330.741

Trichromacy



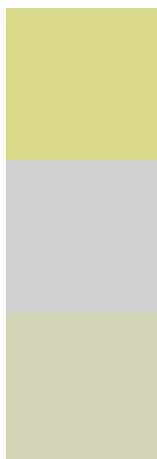
Original Color
85, 41.146, 106.625

Protanomaly
85, 40.562, 99.715

Deuteranomaly
85, 38.564, 86.336

Tritanomaly
85, 10.632, 81.813

Monochromacy



Original Color
85, 41.146, 106.625

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 15.199, 108.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 41.146, 106.625 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, 217, 137)` looks like.

```
.text, #text, p{  
    color:rgb(217, 217, 137)  
}
```

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, 217, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 217, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 41.146, 106.625 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, 217, 137) }
```

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

```
.border{ border-color:rgb(217, 217, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 217, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 217, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 217, 137);  
box-shadow:4px 4px 4px 4px rgb(217, 217,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 41.146, 106.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 217, 137) }
```

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

```
.background{ background-color: rgb(217,  
217, 137) }
```

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