

Converting Colors

CIELCh(86, 28.446, 140.347)

Have a look what the booklet for
CIELCh(86, 28.446, 140.347)
contains.

CIELCh(86, 28.470, 140.341)	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(86, 28.470, 140.341)

Conversions

Conversions Part 1

Format	Color
Hex	B9E2B4
RGB	185, 226, 180
RGB Percent	73%, 89%, 71%
CMY	0.2746, 0.1138, 0.2942
CMYK	0.18, 0.00, 0.20, 0.11
HSL	113°, 44%, 80%
HSV	113°, 20%, 89%
XYZ	55.4292, 67.9871, 53.3703
YIQ	208.4970, -9.6700, -22.9980

Conversions

Conversions Part 2

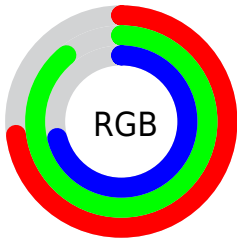
Format	Color
RYB	180, 226, 221
Decimal	12182196
CIELab	86.00, -21.92, 18.17
CIELCh	86, 28.470, 140.341
Yxy	67.9871, 0.3135, 0.3846
Android (android.graphics.Color)	4290372276 (0xFFB9E2B4)
YUV	208.4970, -14.0490, -20.6069
Hunter-Lab	82.4543, -24.3000, 19.3413

Details

The CIELCh color **86, 28.470, 140.341** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **78, 28.618, 322.444**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 10.738, 134.934**, and **66, 28.865, 140.477** is the 20% darker color. If you saturate the color by 10%, you get **84, 42.448, 139.649**, and if you desaturate by 10%, it is **88, 14.427, 140.952**.

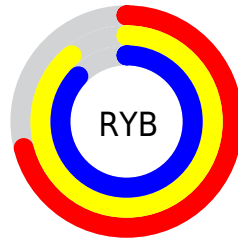
Distribution



Red (73%)

Green (89%)

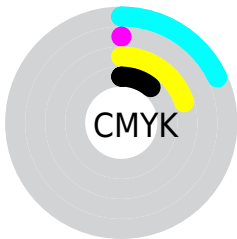
Blue (71%)



Red (71%)

Yellow (89%)

Blue (87%)

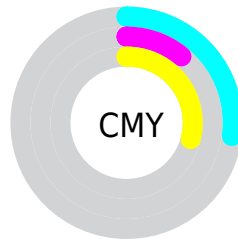


Cyan (18%)

Magenta (0%)

Yellow (20%)

Black (11%)



Cyan (27%)


Magenta (11%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 28.470, 140.341 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 86, 28.470, 140.341 by changing the saturation by 10% instead.


 86, 28.470,
140.341

 86, 28.470,
140.341


 100, 28.470,
140.341


 76, 28.470,
140.341

 66, 28.470,
140.341

 56, 28.470,
140.341

 46, 28.470,
140.341

 36, 28.470,
140.341


 26, 28.470,
140.341


 16, 28.470,

140.341


 6, 28.470, 140.341


 0, 28.470, 140.341

 86, 28.470,
140.341


 86, 28.470,
140.341


 84, 42.448,
139.649


 88, 14.427,
140.952


 83, 56.118,
138.873

 90, 0.484, 141.978

 82, 69.171,
138.035

 92, 13.235,
321.875

 81, 81.196,
137.181

 93, 18.145,
325.054

 80, 91.677,

136.397

■ 79, 100.018,
135.809

■ 79, 105.684,
135.546

■ 79, 108.662,
135.572

Harmonies

Complementary

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



86, 28.470, 140.341



78, 28.618, 322.444

Rectangle

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



86, 28.470, 140.341



86, 28.470, 190.341



86, 28.470, 320.341



86, 28.470, 10.341

Sweetspot

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



86, 28.472, 140.342



99, 9.190, 141.198



87, 21.179, 102.793



52, 6.099, 141.160



0, 0.000, 0.000



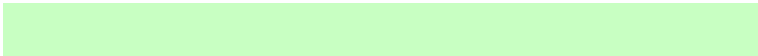
53, 0.007, 296.813

Same Dimension

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



86, 28.472, 140.342



95, 37.040, 140.088



86, 22.326, 156.227



46, 7.860, 141.004



63, 90.009, 135.475



16, 34.283, 137.516

Inverse Universe

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



78, 28.618, 322.444



85, 37.254, 322.628



78, 22.638, 339.430



44, 7.888, 321.905



38, 88.150, 324.043



7, 35.763, 324.560

Previews

White Background



This preview shows how the CIELCh color 86, 28.470, 140.341 looks on a white background.

Color Contrast Check

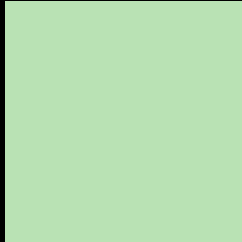
Large Text (above 18pt) WCAG AA × Fail

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 86, 28.470, 140.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

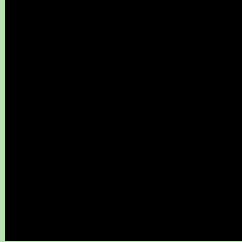
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 28.470, 140.341

Background



This preview shows how black text looks on a background with the CIELCh color 86, 28.470, 140.341.

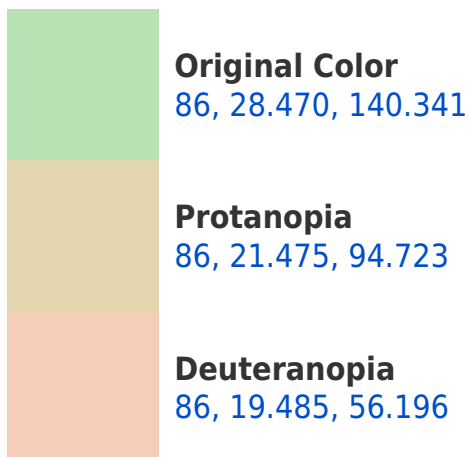


This preview shows how white text looks on a background with the CIELCh color 86, 28.470, 140.341.

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](#).

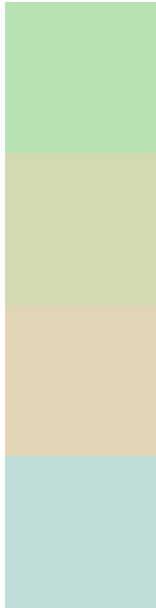
Dichromacy





Tritanopia
86, 12.266, 249.651

Trichromacy



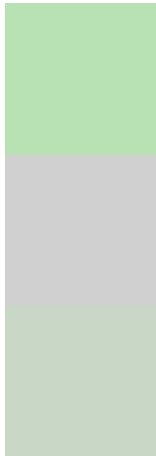
Original Color
86, 28.470, 140.341

Protanomaly
86, 21.982, 114.324

Deuteranomaly
85, 16.235, 93.746

Tritanomaly
86, 10.884, 184.698

Monochromacy



Original Color
86, 28.470, 140.341

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 10.530, 140.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 28.470, 140.341 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(185, 226, 180)` looks like.

```
.text, #text, p{  
    color:rgb(185, 226, 180)  
}
```

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(185, 226, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 226, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 28.470, 140.341 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(185, 226, 180) }
```

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

```
.border{ border-color:rgb(185, 226, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 226, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 226, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 226, 180);  
box-shadow:4px 4px 4px 4px rgb(185, 226,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 28.470, 140.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 226, 180) }
```

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

```
.background{ background-color: rgb(185,  
226, 180) }
```

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