

Converting Colors

CIELCh(87, 33.410, 146.252)

Have a look what the booklet for
CIELCh(87, 33.410, 146.252)
contains.

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Color

CIELCh(87, 33.410, 146.252)

Conversions

Conversions Part 1

Format	Color
Hex	AFE8B6
RGB	175, 232, 182
RGB Percent	69%, 91%, 71%
CMY	0.3148, 0.0913, 0.2873
CMYK	0.25, 0.00, 0.22, 0.09
HSL	127°, 55%, 80%
HSV	127°, 25%, 91%
XYZ	54.8137, 70.0064, 54.7357
YIQ	209.2570, -17.9220, -27.6340

Conversions

Conversions Part 2

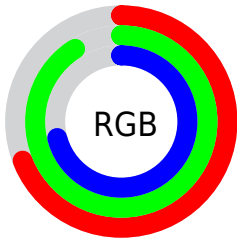
Format	Color
RYB	175, 226, 232
Decimal	11528374
CIELab	87.00, -27.78, 18.56
CIElCh	87, 33.410, 146.252
Yxy	70.0064, 0.3053, 0.3899
Android (android.graphics.Color)	4289718454 (0xFFAFE8B6)
YUV	209.2570, -13.4377, -30.0434
Hunter-Lab	83.6698, -29.4834, 19.7821

Details

The CIELCh color $87, 33.410, 146.252$ is a light color, and the websafe version is hex `CCFFCC`. A complement of this color would be $78, 33.476, 329.435$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 12.163, 153.321$, and $67, 33.366, 146.401$ is the 20% darker color. If you saturate the color by 10%, you get $85, 46.867, 145.332$, and if you desaturate by 10%, it is $89, 19.783, 147.045$.

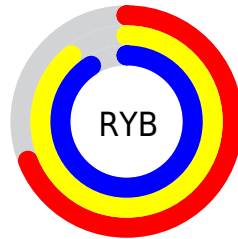
Distribution



Red (69%)

Green (91%)

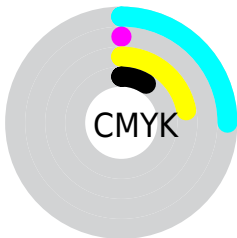
Blue (71%)



Red (69%)

Yellow (89%)

Blue (91%)

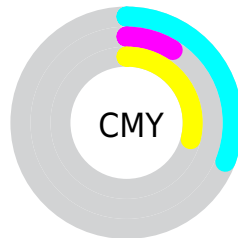


Cyan (25%)

Magenta (0%)

Yellow (22%)

Black (9%)



Cyan (31%)

Magenta (9%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 33.410, 146.252 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 87, 33.410, 146.252 by changing the saturation by 10% instead.

■ 87, 33.410,
146.252

■ 87, 33.410,
146.252

■ 100, 33.410,
146.252

■ 77, 33.410,
146.252

■ 67, 33.410,
146.252

■ 57, 33.410,
146.252

■ 47, 33.410,
146.252

■ 37, 33.410,
146.252


■ 27, 33.410,
146.252


■ 17, 33.410,


146.252

 7, 33.410, 146.252


 0, 33.410, 146.252

 87, 33.410,
146.252


 87, 33.410,
146.252

 85, 46.867,
145.332


 89, 19.783,
147.045


 84, 59.887,
144.270

 91, 6.185, 147.753

 83, 72.163,
143.061

 93, 7.229, 328.232

 82, 83.340,
141.721

 94, 14.535,
324.925

 81, 93.039,

140.297

■ 81, 100.883,
138.877

■ 81, 106.547,
137.587

■ 81, 108.693,
137.035

Harmonies

Complementary

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



87, 33.410, 146.252



78, 33.476, 329.435

Rectangle

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



87, 33.410, 146.252



87, 33.410, 196.252



87, 33.410, 326.252



87, 33.410, 16.252

Sweetspot

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



87, 33.412, 146.252



98, 10.206, 147.581



90, 29.354, 112.801



52, 6.635, 147.539



0, 0.000, 0.000



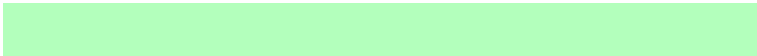
53, 0.007, 296.813

Same Dimension

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



87, 33.412, 146.252



94, 44.005, 145.757



88, 23.018, 168.094



47, 7.616, 147.413



63, 88.978, 137.237



17, 34.530, 141.014

Inverse Universe

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



78, 33.476, 329.435



82, 44.069, 329.776



77, 24.251, 352.938



45, 7.633, 328.507



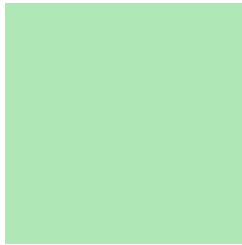
41, 80.330, 333.801



8, 34.210, 332.843

Previews

White Background



This preview shows how the CIELCh color 87, 33.410, 146.252 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 87, 33.410, 146.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

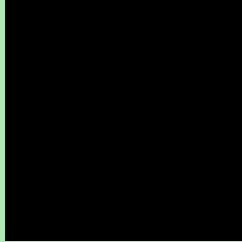
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

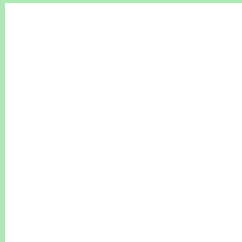
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 33.410, 146.252

Background



This preview shows how black text looks on a background with the CIELCh color 87, 33.410, 146.252.

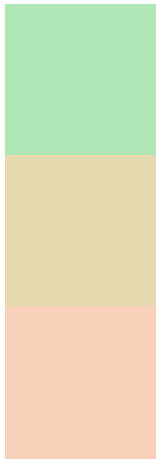


This preview shows how white text looks on a background with the CIELCh color 87, 33.410, 146.252.

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
87, 33.410, 146.252

Protanopia
87, 22.429, 95.256

Deuteranopia
87, 19.761, 57.351



Tritanopia
87, 15.673, 235.869

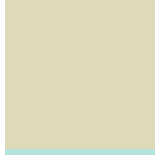
Trichromacy



Original Color
87, 33.410, 146.252



Protanomaly
87, 23.809, 119.305



Deuteranomaly
86, 17.291, 102.363

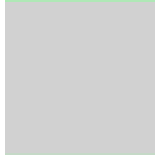


Tritanomaly
87, 16.283, 185.251

Monochromacy



Original Color
87, 33.410, 146.252



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 12.000, 146.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 33.410, 146.252 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(175, 232, 182)` looks like.

```
.text, #text, p{  
    color:rgb(175, 232, 182)  
}
```

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(175, 232, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 232, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 33.410, 146.252 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(175, 232, 182) }
```

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

```
.border{ border-color:rgb(175, 232, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 232, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 232, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 232, 182);  
box-shadow:4px 4px 4px 4px rgb(175, 232,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 33.410, 146.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 232, 182) }
```

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

```
.background{ background-color: rgb(175,  
232, 182) }
```

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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