

Converting Colors

CIELCh(88, 45.582, 137.412)

Have a look what the booklet for
CIELCh(88, 45.582, 137.412)
contains.

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Color

CIELCh(88, 45.482, 137.519)

Conversions

Conversions Part 1

Format	Color
Hex	AFEDA1
RGB	175, 237, 161
RGB Percent	69%, 93%, 63%
CMY	0.3147, 0.0716, 0.3696
CMYK	0.26, 0.00, 0.32, 0.07
HSL	109°, 68%, 78%
HSV	109°, 32%, 93%
XYZ	54.2417, 72.0653, 44.6556
YIQ	209.7980, -12.5560, -36.7800

Conversions

Conversions Part 2

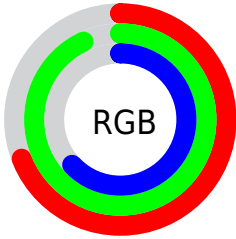
Format	Color
RYB	161, 237, 223
Decimal	11529633
CIELab	88.00, -33.54, 30.72
CIELCh	88, 45.482, 137.519
Yxy	72.0653, 0.3173, 0.4215
Android (android.graphics.Color)	4289719713 (0xFFAFEDA1)
YUV	209.7980, -24.0574, -30.5178
Hunter-Lab	84.8913, -34.5062, 28.2354

Details

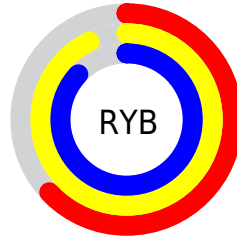
The CIELCh color **88, 45.482, 137.519** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **74, 46.082, 320.725**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 21.542, 131.479**, and **68, 45.403, 137.502** is the 20% darker color. If you saturate the color by 10%, you get **87, 59.298, 136.834**, and if you desaturate by 10%, it is **90, 31.343, 138.150**.

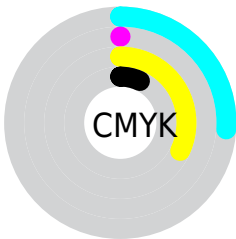
Distribution



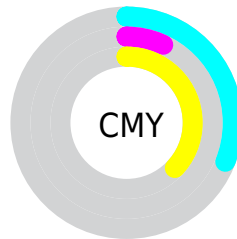
- Red (69%)
- Green (93%)
- Blue (63%)



- Red (63%)
- Yellow (93%)
- Blue (87%)



- Cyan (26%)
- Magenta (0%)
- Yellow (32%)
- Black (7%)



- Cyan (31%)
- Magenta (7%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 45.482, 137.519 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 88, 45.482, 137.519 by changing the saturation by 10% instead.

■ 88, 45.482,
137.519

■ 88, 45.482,
137.519

■ 100, 45.482,
137.519

■ 78, 45.482,
137.519

■ 68, 45.482,
137.519

■ 58, 45.482,
137.519

■ 48, 45.482,
137.519

■ 38, 45.482,
137.519


■ 28, 45.482,
137.519


■ 18, 45.482,


137.519


 8, 45.482, 137.519


 0, 45.482, 137.519


 88, 45.482,
137.519


 88, 45.482,
137.519

 87, 59.298,
136.834

 90, 31.343,
138.150


 85, 72.475,
136.122


 91, 17.106,
138.716


 84, 84.597,
135.443

 93, 2.939, 139.272


 84, 95.127,
134.894


 95, 10.837,
320.184

 83, 103.447,

 96, 11.390,
324.810

134.604

 83, 109.034,
134.690

 82, 111.634,
134.969

Harmonies

Complementary

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



88, 45.482, 137.519



74, 46.082, 320.725

Rectangle

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



88, 45.482, 137.519



88, 45.482, 187.519



88, 45.482, 317.519



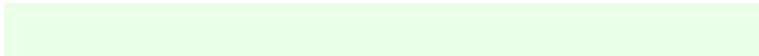
88, 45.482, 7.519

Sweetspot

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



88, 45.484, 137.520



98, 15.003, 138.825



88, 31.974, 96.618



52, 10.244, 138.750



0, 0.000, 0.000



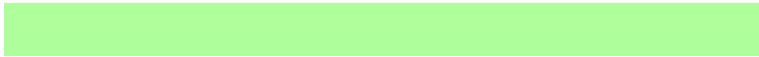
53, 0.007, 296.813

Same Dimension

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



88, 45.484, 137.520



93, 58.485, 137.040



88, 38.847, 151.624



48, 7.963, 138.855



64, 91.136, 134.821



19, 36.706, 135.242

Inverse Universe

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



74, 46.082, 320.725



75, 59.377, 321.023



75, 39.278, 336.642



46, 8.005, 319.691



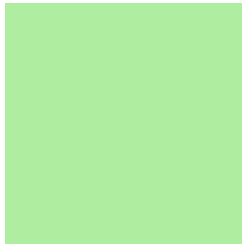
37, 90.858, 321.275



7, 38.624, 322.180

Previews

White Background



This preview shows how the CIELCh color 88, 45.482, 137.519 looks on a white background.

Color Contrast Check

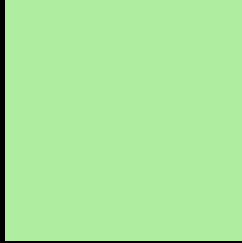
Large Text (above 18pt) WCAG AA × Fail

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 88, 45.482, 137.519 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 88, 45.482, 137.519

Background



This preview shows how black text looks on a background with the CIELCh color 88, 45.482, 137.519.

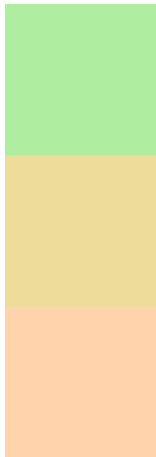


This preview shows how white text looks on a background with the CIELCh color 88, 45.482, 137.519.

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
88, 45.482, 137.519

Protanopia
88, 34.765, 95.950

Deuteranopia
88, 26.751, 68.824

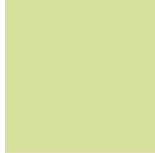


Tritanopia
88, 15.166, 237.283

Trichromacy



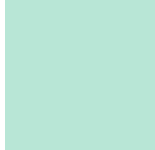
Original Color
88, 45.482, 137.519



Protanomaly
88, 36.256, 114.653



Deuteranomaly
87, 26.981, 103.741

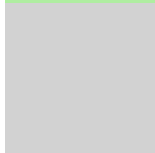


Tritanomaly
88, 18.225, 170.847

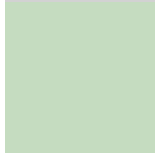
Monochromacy



Original Color
88, 45.482, 137.519



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 16.992, 138.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 45.482, 137.519 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, 237, 161)` looks like.

```
.text, #text, p{  
    color:rgb(175, 237, 161)  
}
```

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, 237, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 237, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 45.482, 137.519 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, 237, 161) }
```

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

```
.border{ border-color:rgb(175, 237, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 237, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 237, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 237, 161); box-shadow:4px 4px 4px 4px rgb(175, 237, 161) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 45.482, 137.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 237, 161) }
```

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

```
.background{ background-color: rgb(175,  
237, 161) }
```

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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