

# Converting Colors

CIELCh(87, 22.373, 145.674)

Have a look what the booklet for  
CIELCh(87, 22.373, 145.674)  
contains.

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# Color

**CIELCh(87, 22.392, 145.669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEE3C1
RGB	190, 227, 193
RGB Percent	75%, 89%, 76%
CMY	0.2535, 0.1083, 0.2417
CMYK	0.16, 0.00, 0.15, 0.11
HSL	125°, 40%, 82%
HSV	125°, 16%, 89%
XYZ	58.5664, 70.0064, 61.0925
YIQ	212.0610, -11.1380, -18.4180

# Conversions

## Conversions Part 2

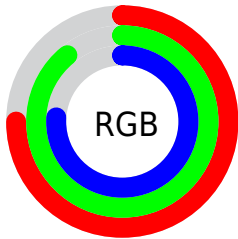
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 224, 227
Decimal	12510145
CIELab	87.00, -18.49, 12.63
CIElCh	87, 22.392, 145.669
Yxy	70.0064, 0.3088, 0.3691
Android (android.graphics.Color)	4290700225 (0xFFBEE3C1)
YUV	212.0610, -9.3971, -19.3475
Hunter-Lab	83.6698, -21.4775, 15.2776

# Details

The CIELCh color **87, 22.392, 145.669** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81, 22.428, 327.626**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 4.158, 152.228**, and **67, 22.937, 145.410** is the 20% darker color. If you saturate the color by 10%, you get **85, 36.204, 144.871**, and if you desaturate by 10%, it is **89, 8.584, 146.368**.

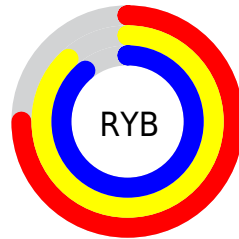
# Distribution



Red (75%)

Green (89%)

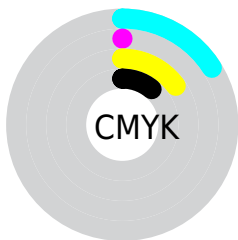
Blue (76%)



Red (75%)

Yellow (88%)

Blue (89%)

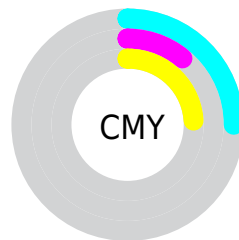


Cyan (16%)

Magenta (0%)

Yellow (15%)

Black (11%)



Cyan (25%)

Magenta (11%)

Yellow (24%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 22.392, 145.669 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, 22.392, 145.669 by changing the saturation by 10% instead.



 87, 22.392,  
145.669

 87, 22.392,  
145.669

 100, 22.392,  
145.669

 77, 22.392,  
145.669

 67, 22.392,  
145.669

 57, 22.392,  
145.669

 47, 22.392,  
145.669

 37, 22.392,  
145.669

 27, 22.392,  
145.669

 17, 22.392,


145.669

 7, 22.392, 145.669

 0, 22.392, 145.669

 87, 22.392,  
145.669


 87, 22.392,  
145.669


 85, 36.204,  
144.871


 89, 8.584, 146.368

 84, 49.791,  
143.944

 91, 5.059, 326.848

 93, 17.265,  
325.023

 82, 62.869,  
142.881

 81, 75.093,  
141.686

 80, 86.064,

140.393

■ 80, 95.346,  
139.072

■ 79, 102.500,  
137.837

■ 79, 107.192,  
136.830

■ 79, 108.345,  
136.578

# Harmonies

# Complementary

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



87, 22.392, 145.669



81, 22.428, 327.626

# Rectangle

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



87, 22.392, 145.669



87, 22.392, 195.669



87, 22.392, 325.669



87, 22.392, 15.669

# Sweetspot

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



87, 22.394, 145.669



99, 7.493, 146.454



89, 19.145, 111.392



53, 5.116, 146.405



0, 0.000, 0.000



53, 0.007, 296.813



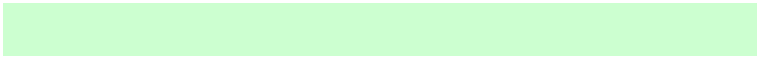


# Same Dimension

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



87, 22.394, 145.669



96, 30.229, 145.376



87, 15.651, 165.959



47, 7.844, 146.152



63, 90.092, 136.722



17, 35.283, 140.237



# Inverse Universe

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



81, 22.428, 327.626



88, 30.271, 327.852



81, 16.092, 348.884



45, 7.859, 327.222



42, 82.995, 331.735

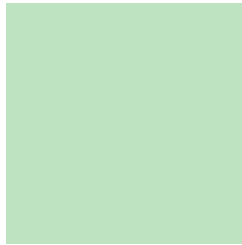


8, 35.170, 331.154



# Previews

## White Background



This preview shows how the CIELCh color 87, 22.392, 145.669 looks on a white background.

## Color Contrast Check

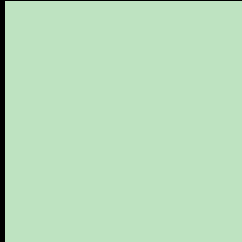
Large Text (above 18pt) WCAG AA × Fail

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 87, 22.392, 145.669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

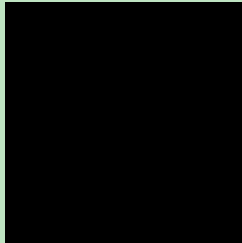
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

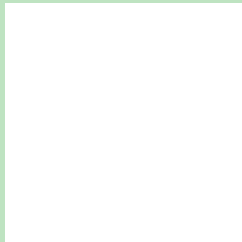
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 87, 22.392, 145.669**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 87, 22.392, 145.669.

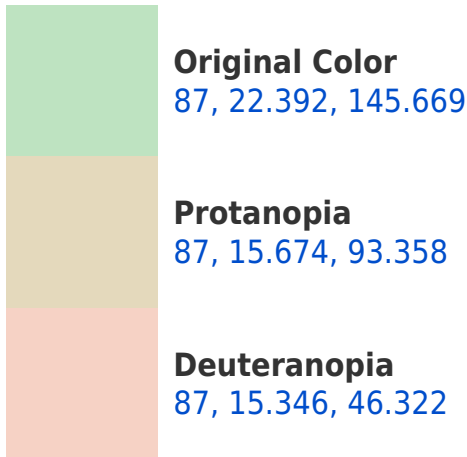


This preview shows how white text looks on a background with the CIELCh color 87, 22.392, 145.669.

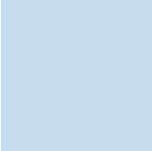
# Color Blindness Simulation

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**  
87, 12.036, 250.824

# Trichromacy



**Original Color**  
87, 22.392, 145.669

**Protanomaly**  
87, 16.350, 118.074

**Deuteranomaly**  
87, 11.080, 89.439

**Tritanomaly**  
87, 9.764, 195.697

# Monochromacy



**Original Color**  
87, 22.392, 145.669

**Achromatopsia**  
85, 0.010, 296.813

**Achromatomaly**  
86, 8.543, 146.079

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 22.392, 145.669 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(190, 227, 193)` looks like.

```
.text, #text, p{  
    color:rgb(190, 227, 193)  
}
```

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(190, 227, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 227, 193) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 22.392, 145.669 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(190, 227, 193) }
```

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

```
.border{ border-color:rgb(190, 227, 193) }
```

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

Here you see how a box with a 4 pixel rgb(190, 227, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 227, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 227, 193);  
box-shadow:4px 4px 4px 4px rgb(190, 227,  
193) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 22.392, 145.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 227, 193) }
```

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

```
.background{ background-color: rgb(190,  
227, 193) }
```

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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