

# Converting Colors

CIELCh(85, 20.392, 165.668)

Have a look what the booklet for  
CIELCh(85, 20.392, 165.668)  
contains.

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# Color

**CIELCh(85, 20.657, 165.658)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AEDFCA
RGB	174, 223, 202
RGB Percent	68%, 87%, 79%
CMY	0.3178, 0.1257, 0.2080
CMYK	0.22, 0.00, 0.09, 0.13
HSL	154°, 43%, 78%
HSV	154°, 22%, 87%
XYZ	54.4770, 66.0070, 65.7192
YIQ	205.9550, -22.4630, -16.9190

# Conversions

## Conversions Part 2

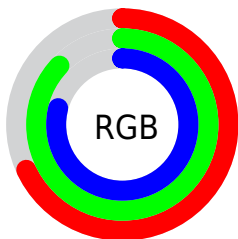
Format	Color
<b>RYB</b>	174, 205, 223
Decimal	11460554
CIELab	85.00, -20.01, 5.12
CIELCh	85, 20.657, 165.658
Yxy	66.0070, 0.2926, 0.3545
Android (android.graphics.Color)	4289650634 (0xFFAEDFCA)
YUV	205.9550, -1.9498, -28.0245
Hunter-Lab	81.2447, -22.4886, 8.9114

# Details

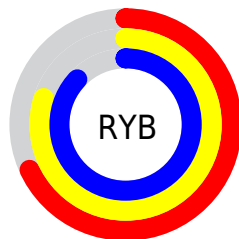
The CIELCh color  $85, 20.657, 165.658$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $76, 21.465, 349.778$ , and the grayscale version is  $83, 0.010, 296.813$ .

A 20% lighter version of the original color is  $98, 8.521, 198.944$ , and  $65, 20.745, 165.248$  is the 20% darker color. If you saturate the color by 10%, you get  $84, 29.773, 164.558$ , and if you desaturate by 10%, it is  $87, 11.312, 166.660$ .

# Distribution



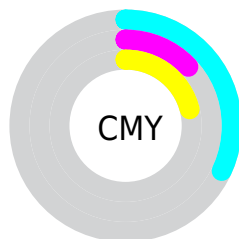
- Red (68%)
- Green (87%)
- Blue (79%)



- Red (68%)
- Yellow (80%)
- Blue (87%)



- Cyan (22%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)




- Cyan (32%)
- Magenta (13%)
- Yellow (21%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 20.657, 165.658 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, 20.657, 165.658 by changing the saturation by 10% instead.



 85, 20.657,  
165.658


 85, 20.657,  
165.658

 100, 20.657,  
165.658


 75, 20.657,  
165.658

 65, 20.657,  
165.658

 55, 20.657,  
165.658

 45, 20.657,  
165.658

 35, 20.657,  
165.658


 25, 20.657,  
165.658


 15, 20.657,


165.658


 5, 20.657, 165.658


 0, 20.657, 165.658

 85, 20.657,  
165.658


 85, 20.657,  
165.658

 84, 29.773,  
164.558


 87, 11.312,  
166.660

 82, 38.503,  
163.336

 88, 1.864, 167.768


 81, 46.690,  
161.966

 90, 7.577, 348.280

 80, 54.179,  
160.420

 92, 14.516,  
342.689

 80, 60.845,

 92, 17.900,  
330.059

158.676

92, 20.048,  
325.121

79, 66.617,  
156.719

79, 71.502,  
154.551

79, 74.922,  
152.726

# Harmonies

# Complementary

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



85, 20.657, 165.658



76, 21.465, 349.778

# Rectangle

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



85, 20.657, 165.658



85, 20.657, 215.658



85, 20.657, 345.658



85, 20.657, 35.658

# Sweetspot

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



85, 20.659, 165.656



99, 7.376, 167.141



86, 27.602, 130.385



52, 4.792, 167.081



0, 0.000, 0.000



53, 0.007, 296.813



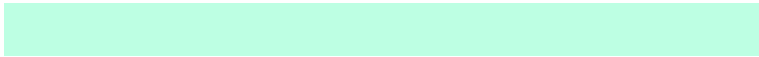


# Same Dimension

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



85, 20.659, 165.656



95, 27.160, 165.206



85, 15.464, 204.804



46, 5.393, 166.906



63, 62.300, 153.123



17, 23.590, 157.576



# Inverse Universe

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



76, 21.465, 349.778



83, 28.429, 350.258



76, 17.972, 26.405



44, 5.486, 348.479



37, 63.961, 8.694

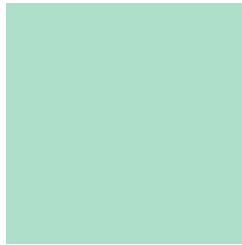


6, 25.851, 359.833



# Previews

## White Background



This preview shows how the CIELCh color 85, 20.657, 165.658 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 85, 20.657, 165.658 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

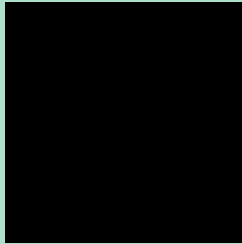
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

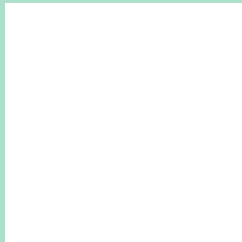
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 85, 20.657, 165.658

## Background



This preview shows how black text looks on a background with the CIELCh color 85, 20.657, 165.658.

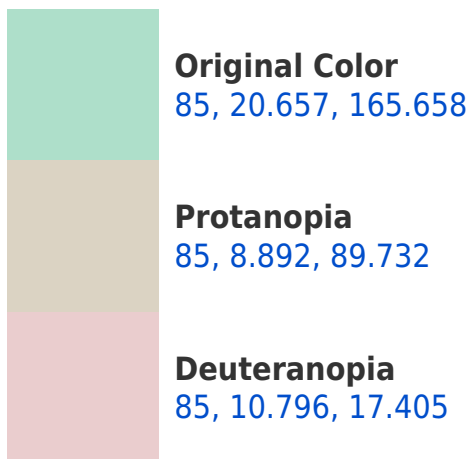


This preview shows how white text looks on a background with the CIELCh color 85, 20.657, 165.658.

# 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, 15.203, 234.943

# Trichromacy



**Original Color**  
85, 20.657, 165.658

**Protanomaly**  
85, 9.985, 135.601

**Deuteranomaly**  
85, 3.666, 109.845

**Tritanomaly**  
85, 14.287, 204.841

# Monochromacy



**Original Color**  
85, 20.657, 165.658

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
83, 7.497, 169.405

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 20.657, 165.658 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(174, 223, 202)` looks like.

```
.text, #text, p{  
    color:rgb(174, 223, 202)  
}
```

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(174, 223, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 223, 202) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 20.657, 165.658 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(174, 223, 202) }
```

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

```
.border{ border-color:rgb(174, 223, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 223, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 223, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 223, 202);  
box-shadow:4px 4px 4px 4px rgb(174, 223,  
202) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 20.657, 165.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 223, 202) }
```

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

```
.background{ background-color: rgb(174,  
223, 202) }
```

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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