

# Converting Colors

CIELCh(84, 36.476, 162.017)

Have a look what the booklet for  
CIELCh(84, 36.476, 162.017)  
contains.

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**Color**

**CIELCh(84, 36.570, 161.794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DE3BB
RGB	141, 227, 187
RGB Percent	55%, 89%, 73%
CMY	0.4477, 0.1105, 0.2673
CMYK	0.38, 0.00, 0.18, 0.11
HSL	152°, 60%, 72%
HSV	152°, 38%, 89%
XYZ	47.3244, 64.0658, 56.7873
YIQ	196.7260, -38.4160, -30.6720

# Conversions

## Conversions Part 2

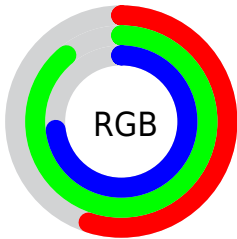
Format	Color
<a href="#">RYB</a>	<a href="#">141, 197, 227</a>
Decimal	<a href="#">9298875</a>
CIELab	<a href="#">84.00, -34.74, 11.43</a>
CIElCh	<a href="#">84, 36.570, 161.794</a>
Yxy	<a href="#">64.0658, 0.2814, 0.3809</a>
Android (android.graphics.Color)	<a href="#">4287488955 (0xFF8DE3BB)</a>
YUV	<a href="#">196.7260, -4.7949, -48.8717</a>
Hunter-Lab	<a href="#">80.0411, -34.5336, 13.9639</a>

# Details

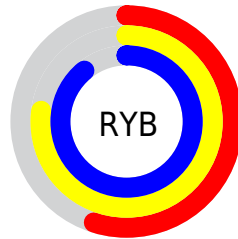
The CIELCh color  $84, 36.570, 161.794$  is a light color, and the websafe version is hex  $99FFCC$ . A complement of this color would be  $68, 38.628, 349.482$ , and the grayscale version is  $79, 0.010, 296.813$ .

A 20% lighter version of the original color is  $96, 20.535, 180.631$ , and  $64, 36.455, 162.030$  is the 20% darker color. If you saturate the color by 10%, you get  $83, 45.445, 160.489$ , and if you desaturate by 10%, it is  $85, 27.228, 162.953$ .

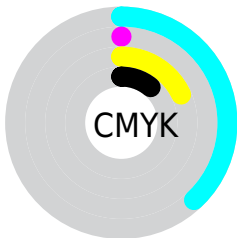
# Distribution



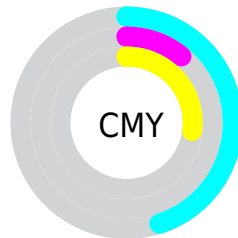
- Red (55%)
- Green (89%)
- Blue (73%)



- Red (55%)
- Yellow (77%)
- Blue (89%)



- Cyan (38%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)



- Cyan (45%)
- Magenta (11%)
- Yellow (27%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 36.570, 161.794 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 84, 36.570, 161.794 by changing the saturation by 10% instead.



 84, 36.570,  
161.794

 84, 36.570,  
161.794


 100, 36.570,  
161.794


 74, 36.570,  
161.794

 64, 36.570,  
161.794

 54, 36.570,  
161.794

 44, 36.570,  
161.794

 34, 36.570,  
161.794


 24, 36.570,  
161.794

 14, 36.570,

161.794


 4, 36.570, 161.794


 0, 36.570, 161.794


 84, 36.570,  
161.794


 84, 36.570,  
161.794

 83, 45.445,  
160.489


 85, 27.228,  
162.953

 82, 53.683,  
159.015


 87, 17.581,  
163.995

 81, 61.136,  
157.347

 89, 7.778, 164.959

 80, 67.699,  
155.467

 91, 2.056, 345.522

 93, 11.821,  
346.481

 80, 73.336,

153.372

93, 15.630,  
330.266

80, 78.127,  
151.102

93, 17.618,  
325.035

80, 79.076,  
150.637

# Harmonies

# Complementary

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



84, 36.570, 161.794



68, 38.628, 349.482

# Rectangle

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



84, 36.570, 161.794



84, 36.570, 211.794



84, 36.570, 341.794



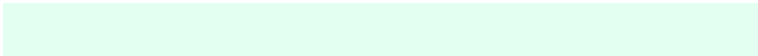
84, 36.570, 31.794

# Sweetspot

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



84, 36.571, 161.793



98, 11.889, 164.658



85, 47.595, 128.459



52, 7.987, 164.528



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



84, 36.571, 161.793



92, 47.169, 160.847



84, 26.218, 200.988



46, 5.533, 164.813



63, 64.857, 151.058



17, 24.463, 155.538



# Inverse Universe

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



68, 38.628, 349.482



72, 50.234, 350.520



68, 34.469, 25.354



44, 5.615, 346.346



38, 63.936, 5.168



6, 26.114, 357.285



# Previews

## White Background



This preview shows how the CIE LCh color 84, 36.570, 161.794 looks on a white background.

## Color Contrast Check

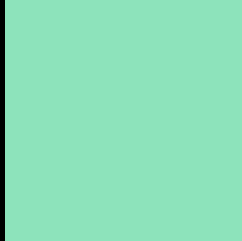
Large Text (above 18pt) WCAG AA × Fail

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 84, 36.570, 161.794 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

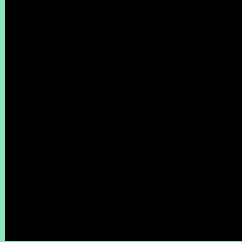
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 84, 36.570, 161.794**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 84, 36.570, 161.794.

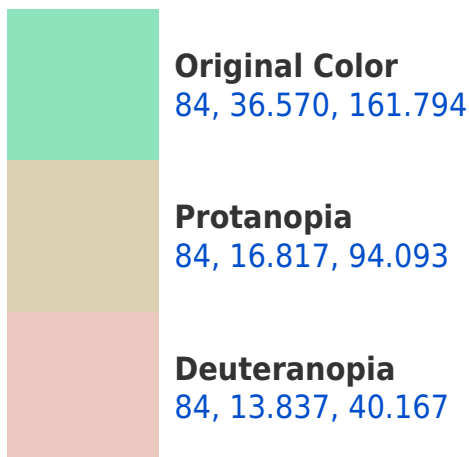


This preview shows how white text looks on a background with the CIELCh color 84, 36.570, 161.794.

# 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**  
84, 22.861, 221.365

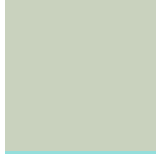
# Trichromacy



**Original Color**  
84, 36.570, 161.794



**Protanomaly**  
83, 20.035, 135.222



**Deuteranomaly**  
83, 11.069, 126.873

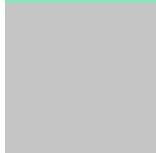


**Tritanomaly**  
84, 24.203, 193.967

# Monochromacy



**Original Color**  
84, 36.570, 161.794



**Achromatopsia**  
80, 0.010, 296.813



**Achromatomaly**  
81, 13.835, 163.266

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 36.570, 161.794 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(141, 227, 187)` looks like.

```
.text, #text, p{  
    color:rgb(141, 227, 187)  
}
```

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(141, 227, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 227, 187) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 36.570, 161.794 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(141, 227, 187) }
```

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

```
.border{ border-color:rgb(141, 227, 187) }
```

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

Here you see how a box with a 4 pixel rgb(141, 227, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 227, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 227, 187);  
box-shadow:4px 4px 4px 4px rgb(141, 227,  
187) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 36.570, 161.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 227, 187) }
```

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

```
.background{ background-color: rgb(141,  
227, 187) }
```

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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