

# Converting Colors

CIELCh(86, 30.536, 160.474)

Have a look what the booklet for  
CIELCh(86, 30.536, 160.474)  
contains.

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# Color

**CIELCh(86, 30.536, 160.474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1E6C3
RGB	161, 230, 195
RGB Percent	63%, 90%, 76%
CMY	0.3693, 0.0987, 0.2360
CMYK	0.30, 0.00, 0.15, 0.10
HSL	150°, 58%, 77%
HSV	150°, 30%, 90%
XYZ	52.7422, 67.9871, 61.8715
YIQ	205.3790, -29.8890, -25.5130

# Conversions

## Conversions Part 2

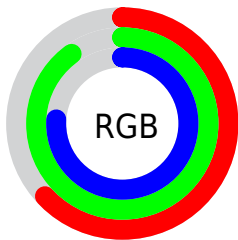
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 207, 230
Decimal	10610371
CIELab	86.00, -28.78, 10.21
CIELCh	86, 30.536, 160.474
Yxy	67.9871, 0.2888, 0.3723
Android (android.graphics.Color)	4288800451 (0xFFA1E6C3)
YUV	205.3790, -5.1168, -38.9204
Hunter-Lab	82.4543, -30.1167, 13.2284

# Details

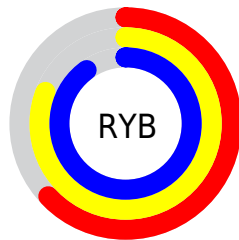
The CIELCh color **86, 30.536, 160.474** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **74, 31.650, 346.049**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 12.967, 191.817**, and **66, 30.620, 160.332** is the 20% darker color. If you saturate the color by 10%, you get **85, 40.272, 159.299**, and if you desaturate by 10%, it is **88, 20.482, 161.519**.

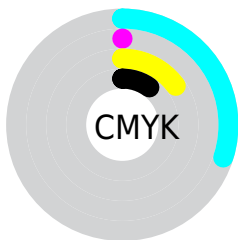
# Distribution



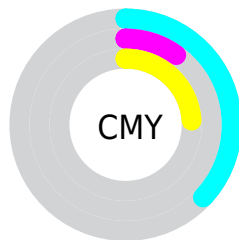
- Red (63%)
- Green (90%)
- Blue (76%)



- Red (63%)
- Yellow (81%)
- Blue (90%)



- Cyan (30%)
- Magenta (0%)
- Yellow (15%)
- Black (10%)




- Cyan (37%)
- Magenta (10%)
- Yellow (24%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 30.536, 160.474 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 86, 30.536, 160.474 by changing the saturation by 10% instead.




 86, 30.536,  
160.474


 86, 30.536,  
160.474


 100, 30.536,  
160.474


 76, 30.536,  
160.474

 66, 30.536,  
160.474

 56, 30.536,  
160.474

 46, 30.536,  
160.474

 36, 30.536,  
160.474


 26, 30.536,  
160.474


 16, 30.536,


160.474


 6, 30.536, 160.474


 0, 30.536, 160.474


 86, 30.536,  
160.474


 86, 30.536,  
160.474

 85, 40.272,  
159.299


 88, 20.482,  
161.519


 83, 49.511,  
157.970

 89, 10.263,  
162.468


 83, 58.080,  
156.461

 91, 0.016, 192.278

 82, 65.825,  
154.750

 93, 10.158,  
343.976

 81, 72.641,

 94, 14.946,  
327.064

152.824

94, 15.728,  
324.968

81, 78.501,  
150.690

81, 83.532,  
148.435

# Harmonies

# Complementary

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



86, 30.536, 160.474



74, 31.650, 346.049

# Rectangle

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



86, 30.536, 160.474



86, 30.536, 210.474



86, 30.536, 340.474



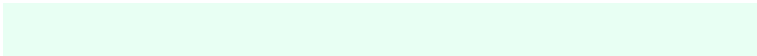
86, 30.536, 30.474

# Sweetspot

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



86, 30.537, 160.473



98, 10.026, 162.558



87, 37.757, 127.067



52, 6.968, 162.423



0, 0.000, 0.000



53, 0.007, 296.813



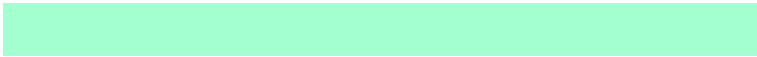


# Same Dimension

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



86, 30.537, 160.473



93, 39.600, 159.764



87, 22.550, 196.366



47, 5.809, 162.521



64, 68.556, 148.846



18, 26.451, 153.068



# Inverse Universe

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



74, 31.650, 346.049



77, 41.305, 346.764



73, 27.539, 20.663



45, 5.882, 344.007



38, 64.941, 1.199

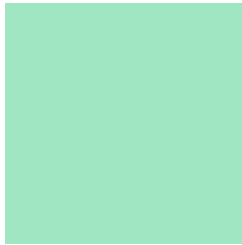


7, 27.684, 354.386



# Previews

## White Background



This preview shows how the CIELCh color 86, 30.536, 160.474 looks on a white background.

## Color Contrast Check

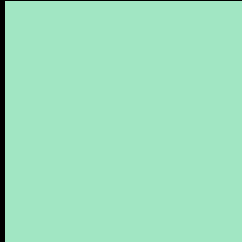
Large Text (above 18pt) WCAG AA × Fail

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 86, 30.536, 160.474 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

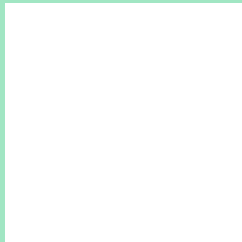
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 86, 30.536, 160.474**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 86, 30.536, 160.474.

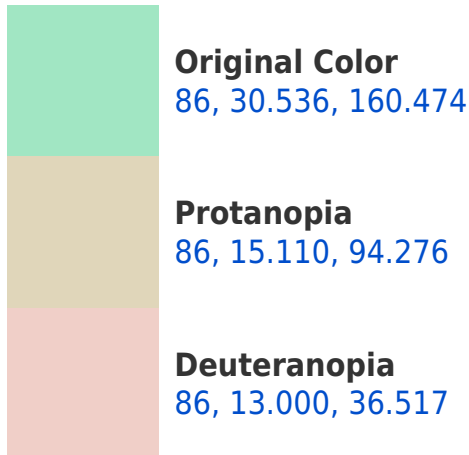


This preview shows how white text looks on a background with the CIELCh color 86, 30.536, 160.474.

# 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





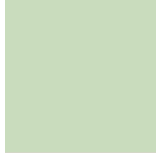


**Tritanopia**  
86, 19.208, 228.077

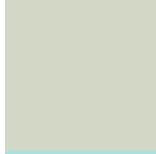
# Trichromacy



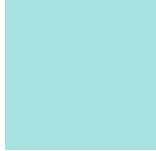
**Original Color**  
86, 30.536, 160.474



**Protanomaly**  
86, 17.711, 132.314



**Deuteranomaly**  
85, 9.028, 118.850

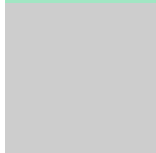


**Tritanomaly**  
86, 19.336, 196.537

# Monochromacy



**Original Color**  
86, 30.536, 160.474



**Achromatopsia**  
82, 0.010, 296.813



**Achromatomaly**  
84, 11.398, 161.654

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 86, 30.536, 160.474 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(161, 230, 195)` looks like.

```
.text, #text, p{  
    color:rgb(161, 230, 195)  
}
```

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(161, 230, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 230, 195) }
```

## Border

The CSS property to change the border of an element to CIELCh 86, 30.536, 160.474 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(161, 230, 195) }
```

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

```
.border{ border-color:rgb(161, 230, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 230, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 230, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 230, 195);  
box-shadow:4px 4px 4px 4px rgb(161, 230,  
195) }
```

# Background

The CSS property to change the background color of an element to CIELCh 86, 30.536, 160.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 230, 195) }
```

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

```
.background{ background-color: rgb(161,  
230, 195) }
```

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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