

# Converting Colors

CIELCh(84, 44.945, 150.211)

Have a look what the booklet for  
CIELCh(84, 44.945, 150.211)  
contains.

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**Color**

**CIELCh(84, 44.840, 150.236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EE4A6
RGB	142, 228, 166
RGB Percent	56%, 89%, 65%
CMY	0.4427, 0.1054, 0.3486
CMYK	0.38, 0.00, 0.27, 0.11
HSL	137°, 62%, 73%
HSV	137°, 38%, 89%
XYZ	45.8408, 64.0658, 46.0766
YIQ	195.2180, -31.3540, -37.5140

# Conversions

## Conversions Part 2

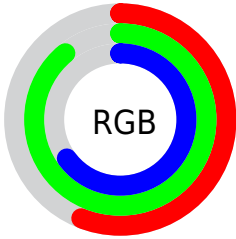
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 209, 228
Decimal	9364646
CIELab	84.00, -38.92, 22.26
CIElCh	84, 44.840, 150.236
Yxy	64.0658, 0.2939, 0.4107
Android (android.graphics.Color)	4287554726 (0xFF8EE4A6)
YUV	195.2180, -14.4045, -46.6722
Hunter-Lab	80.0411, -37.8422, 21.8978

# Details

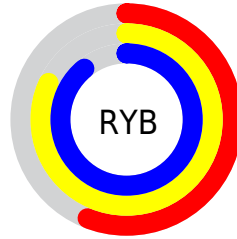
The CIELCh color **84, 44.840, 150.236** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **70, 45.257, 336.189**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.617, 156.930**, and **64, 44.791, 150.399** is the 20% darker color. If you saturate the color by 10%, you get **83, 56.133, 149.046**, and if you desaturate by 10%, it is **85, 33.114, 151.268**.

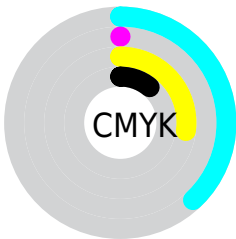
# Distribution



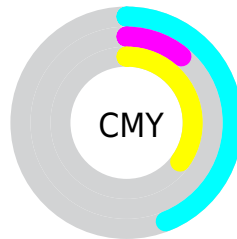
- Red (56%)
- Green (89%)
- Blue (65%)



- Red (56%)
- Yellow (82%)
- Blue (89%)



- Cyan (38%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)



- Cyan (44%)
- Magenta (11%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 44.840, 150.236 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, 44.840, 150.236 by changing the saturation by 10% instead.



 84, 44.840,  
150.236

 84, 44.840,  
150.236

 100, 44.840,  
150.236

 74, 44.840,  
150.236

 64, 44.840,  
150.236

 54, 44.840,  
150.236

 44, 44.840,  
150.236

 34, 44.840,  
150.236

 24, 44.840,  
150.236

 14, 44.840,


150.236


 4, 44.840, 150.236


 0, 44.840, 150.236


 84, 44.840,  
150.236


 84, 44.840,  
150.236

 83, 56.133,  
149.046


 85, 33.114,  
151.268

 82, 66.753,  
147.680


 87, 21.164,  
152.166

 81, 76.466,  
146.130

 89, 9.169, 152.963


 80, 85.059,  
144.407


 91, 2.727, 333.464


 93, 14.140,  
332.917

 80, 92.367,

142.550

 93, 16.804,  
325.006

 80, 98.310,  
140.653

 80, 99.522,  
140.252

# Harmonies

# Complementary

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



84, 44.840, 150.236



70, 45.257, 336.189

# Rectangle

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



84, 44.840, 150.236



84, 44.840, 200.236



84, 44.840, 330.236



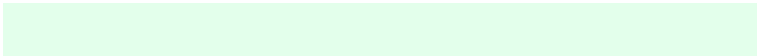
84, 44.840, 20.236

# Sweetspot

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



84, 44.841, 150.236



98, 14.361, 152.702



87, 44.799, 118.235



52, 9.655, 152.595



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, 44.841, 150.236



92, 58.142, 149.350



85, 30.538, 177.008



47, 6.802, 152.827



64, 82.217, 140.577



17, 31.627, 144.488



# Inverse Universe

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



70, 45.257, 336.189



73, 58.575, 336.827



68, 35.278, 5.336



45, 6.833, 334.054



40, 71.637, 343.316

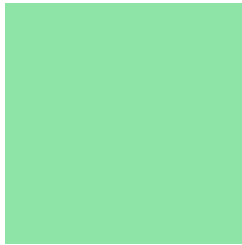


8, 30.926, 340.396



# Previews

## White Background



This preview shows how the CIELCh color 84, 44.840, 150.236 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, 44.840, 150.236 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, 44.840, 150.236

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 44.840, 150.236.

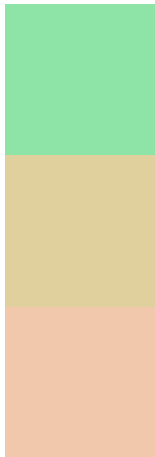


This preview shows how white text looks on a background with the CIELCh color 84, 44.840, 150.236.

# 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

84, 44.840, 150.236

### Protanopia

84, 27.364, 95.165

### Deuteranopia

83, 22.097, 61.633



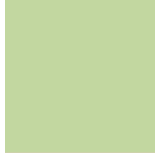


**Tritanopia**  
84, 21.513, 224.599

# Trichromacy



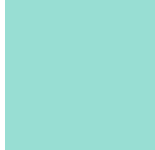
**Original Color**  
84, 44.840, 150.236



**Protanomaly**  
83, 29.831, 123.518



**Deuteranomaly**  
83, 21.055, 113.602

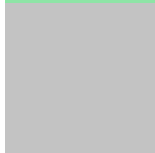


**Tritanomaly**  
84, 24.245, 183.795

# Monochromacy



**Original Color**  
84, 44.840, 150.236



**Achromatopsia**  
79, 0.010, 296.813



**Achromatomaly**  
80, 16.792, 151.607

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 44.840, 150.236 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(142, 228, 166)` looks like.

```
.text, #text, p{  
    color:rgb(142, 228, 166)  
}
```

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(142, 228, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 228, 166) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 44.840, 150.236 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(142, 228, 166) }
```

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

```
.border{ border-color:rgb(142, 228, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 228, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 228, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 228, 166); box-shadow:4px 4px 4px 4px rgb(142, 228, 166) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 44.840, 150.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 228, 166) }
```

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

```
.background{ background-color: rgb(142,  
228, 166) }
```

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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