

# Converting Colors

CIELCh(88, 15.586, 195.540)

Have a look what the booklet for  
CIELCh(88, 15.586, 195.540)  
contains.

<b>CIELCh(88, 15.650, 194.530)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(88, 15.650, 194.530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8E6E4
RGB	184, 230, 228
RGB Percent	72%, 90%, 89%
CMY	0.2801, 0.0997, 0.1076
CMYK	0.20, 0.00, 0.01, 0.10
HSL	177°, 47%, 81%
HSV	177°, 20%, 90%
XYZ	61.7835, 72.0653, 83.7351
YIQ	216.0180, -26.7740, -10.3740

# Conversions

## Conversions Part 2

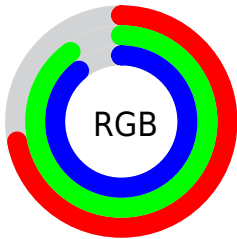
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 208, 230
Decimal	12117732
CIELab	88.00, -15.15, -3.93
CIELCh	88, 15.650, 194.530
Yxy	72.0653, 0.2840, 0.3312
Android (android.graphics.Color)	4290307812 (0xFFB8E6E4)
YUV	216.0180, 5.9071, -28.0798
Hunter-Lab	84.8913, -18.6482, 0.9414

# Details

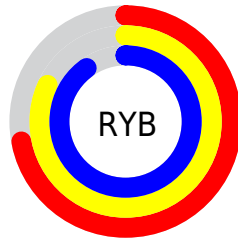
The CIELCh color **88, 15.650, 194.530** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79, 17.672, 17.426**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 4.823, 199.237**, and **68, 15.457, 196.089** is the 20% darker color. If you saturate the color by 10%, you get **87, 22.705, 193.890**, and if you desaturate by 10%, it is **89, 8.048, 195.202**.

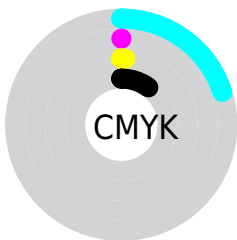
# Distribution



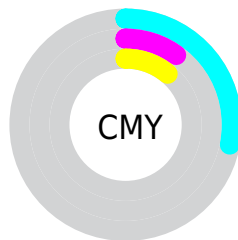
- Red (72%)
- Green (90%)
- Blue (89%)



- Red (72%)
- Yellow (82%)
- Blue (90%)



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)




- Cyan (28%)
- Magenta (10%)
- Yellow (11%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 15.650, 194.530 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 88, 15.650, 194.530 by changing the saturation by 10% instead.





 88, 15.650,  
194.530


 88, 15.650,  
194.530


 100, 15.650,  
194.530


 78, 15.650,  
194.530

 68, 15.650,  
194.530

 58, 15.650,  
194.530

 48, 15.650,  
194.530

 38, 15.650,  
194.530

 28, 15.650,  
194.530

 18, 15.650,

194.530

■ 8, 15.650, 194.530

■ 0, 15.650, 194.530

■ 88, 15.650,  
194.530

■ 88, 15.650,  
194.530

■ 87, 22.705,  
193.890

■ 89, 8.048, 195.202

■ 86, 29.072,  
193.282

■ 91, 0.027, 218.458

■ 93, 8.297, 16.382

■ 85, 34.624,  
192.695

■ 93, 9.265, 13.653

■ 84, 39.251,  
192.126

■ 93, 9.323, 10.520

■ 93, 9.410, 7.435

■ 83, 42.879,

191.566

93, 9.524, 4.416

83, 45.489,  
191.006

93, 9.665, 1.478

83, 47.128,  
190.432

93, 9.830, 358.632

83, 47.993,  
189.840

# Harmonies

# Complementary

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



88, 15.650, 194.530



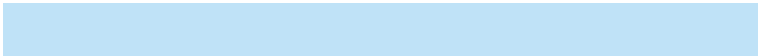
79, 17.672, 17.426

# Rectangle

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



88, 15.650, 194.530



88, 15.650, 244.530



88, 15.650, 14.530



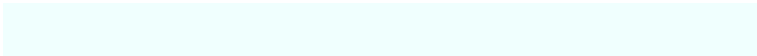
88, 15.650, 64.530

# Sweetspot

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



88, 15.651, 194.524



99, 5.287, 195.512



87, 28.922, 141.900



53, 3.502, 195.457



0, 0.000, 0.000



53, 0.007, 296.813



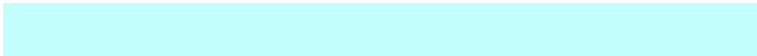


# Same Dimension

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



88, 15.651, 194.524



96, 20.161, 194.260



83, 13.665, 252.581



47, 4.560, 195.245



66, 39.733, 189.943



18, 16.572, 190.906



# Inverse Universe

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



79, 17.672, 17.426



84, 23.394, 17.879



84, 14.656, 67.489



45, 4.819, 16.413



37, 78.109, 38.199

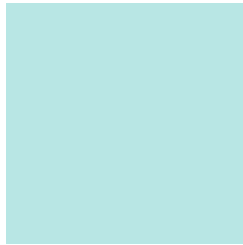


6, 26.965, 19.965



# Previews

## White Background



This preview shows how the CIELCh color 88, 15.650, 194.530 looks on a white background.

## Color Contrast Check

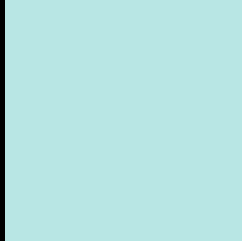
Large Text (above 18pt) WCAG AA × Fail

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 88, 15.650, 194.530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

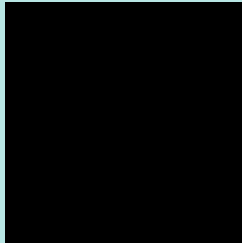
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

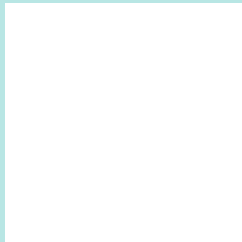
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 88, 15.650, 194.530

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 15.650, 194.530.

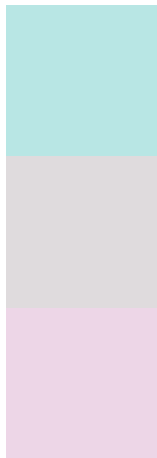


This preview shows how white text looks on a background with the CIELCh color 88, 15.650, 194.530.

# 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

88, 15.650, 194.530


### Protanopia

88, 1.793, 343.552

### Deuteranopia

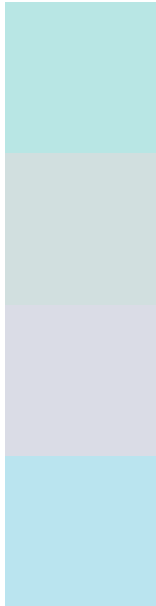
88, 12.143, 333.362





**Tritanopia**  
88, 15.895, 235.152

# Trichromacy



**Original Color**  
88, 15.650, 194.530

**Protanomaly**  
88, 4.938, 199.180

**Deuteranomaly**  
88, 5.265, 282.953

**Tritanomaly**  
88, 14.917, 221.342

# Monochromacy



**Original Color**  
88, 15.650, 194.530

**Achromatopsia**  
86, 0.010, 296.813

**Achromatomaly**  
87, 6.030, 194.087

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 15.650, 194.530 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(184, 230, 228)` looks like.

```
.text, #text, p{  
    color:rgb(184, 230, 228)  
}
```

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(184, 230, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 230, 228) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 15.650, 194.530 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(184, 230, 228) }
```

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

```
.border{ border-color:rgb(184, 230, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 230, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 230, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 230, 228);  
box-shadow:4px 4px 4px 4px rgb(184, 230,  
228) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 15.650, 194.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 230, 228) }
```

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

```
.background{ background-color: rgb(184,  
230, 228) }
```

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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