

# Converting Colors

CIELCh(88, 15.972, 190.088)

Have a look what the booklet for  
CIELCh(88, 15.972, 190.088)  
contains.

<b>CIELCh(88, 15.964, 188.892)</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, 15.964, 188.892)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8E6E1
RGB	184, 230, 225
RGB Percent	72%, 90%, 88%
CMY	0.2792, 0.0989, 0.1185
CMYK	0.20, 0.00, 0.02, 0.10
HSL	173°, 48%, 81%
HSV	173°, 20%, 90%
XYZ	61.5174, 72.0653, 81.7511
YIQ	215.6760, -25.8110, -11.3070

# Conversions

## Conversions Part 2

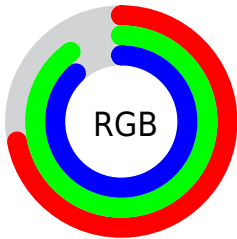
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 208, 230
Decimal	12117729
CIELab	88.00, -15.77, -2.47
CIELCh	88, 15.964, 188.892
Yxy	72.0653, 0.2857, 0.3347
Android (android.graphics.Color)	4290307809 (0xFFB8E6E1)
YUV	215.6760, 4.5967, -27.7799
Hunter-Lab	84.8913, -19.2077, 2.3271

# Details

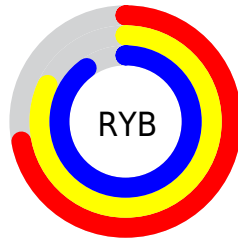
The CIELCh color **88, 15.964, 188.892** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79, 17.724, 12.301**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 4.823, 199.237**, and **68, 15.774, 190.030** is the 20% darker color. If you saturate the color by 10%, you get **87, 23.276, 188.058**, and if you desaturate by 10%, it is **90, 8.166, 189.722**.

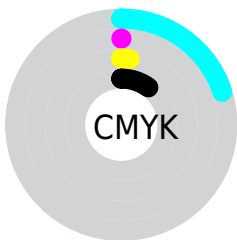
# Distribution



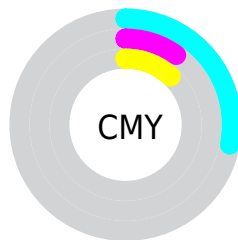
- Red (72%)
- Green (90%)
- Blue (88%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)




- Cyan (28%)
- Magenta (10%)
- Yellow (12%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 15.964, 188.892 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, 15.964, 188.892 by changing the saturation by 10% instead.





 88, 15.964,  
188.892


 88, 15.964,  
188.892


 100, 15.964,  
188.892


 78, 15.964,  
188.892

 68, 15.964,  
188.892

 58, 15.964,  
188.892

 48, 15.964,  
188.892

 38, 15.964,  
188.892

 28, 15.964,  
188.892

 18, 15.964,

188.892

8, 15.964, 188.892

0, 15.964, 188.892

88, 15.964,  
188.892

88, 15.964,  
188.892

87, 23.276,  
188.058

90, 8.166, 189.722

86, 29.960,  
187.213

91, 0.015, 234.167

93, 8.385, 11.141

85, 35.880,  
186.337

93, 9.443, 4.270

84, 40.916,  
185.418

93, 9.846, 357.048

83, 44.983,

93, 10.395,  
350.501

184.439

94, 11.069,  
344.690

83, 48.048,  
183.380

94, 11.847,  
339.607

82, 50.148,  
182.223

94, 12.709,  
335.194

82, 51.477,  
180.974

# Harmonies

# Complementary

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



88, 15.964, 188.892



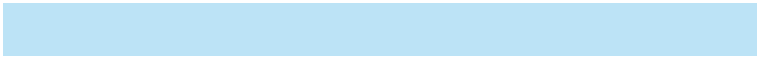
79, 17.724, 12.301

# Rectangle

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



88, 15.964, 188.892



88, 15.964, 238.892



88, 15.964, 8.892



88, 15.964, 58.892

# Sweetspot

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



88, 15.965, 188.887



99, 5.360, 190.084



87, 28.305, 140.147



53, 3.551, 190.021



0, 0.000, 0.000



53, 0.007, 296.813



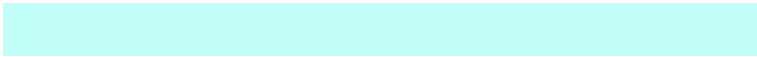


# Same Dimension

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



88, 15.965, 188.887



96, 20.604, 188.546



83, 13.132, 244.298



47, 4.630, 189.771



65, 42.527, 181.199



18, 17.514, 183.334



# Inverse Universe

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



79, 17.724, 12.301



84, 23.417, 12.799



83, 14.399, 59.914



45, 4.857, 11.174



37, 75.376, 35.268

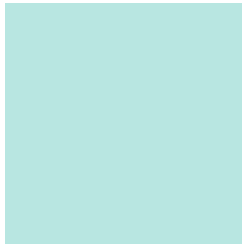


6, 26.801, 17.250



# Previews

## White Background



This preview shows how the CIELCh color 88, 15.964, 188.892 looks on a white background.

## Color Contrast Check

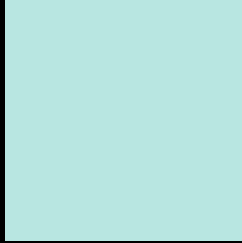
Large Text (above 18pt) WCAG AA × Fail

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, 15.964, 188.892 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

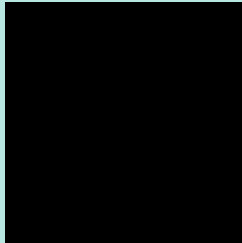
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

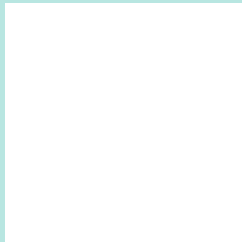
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 88, 15.964, 188.892

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 15.964, 188.892.



This preview shows how white text looks on a background with the CIELCh color 88, 15.964, 188.892.

# 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

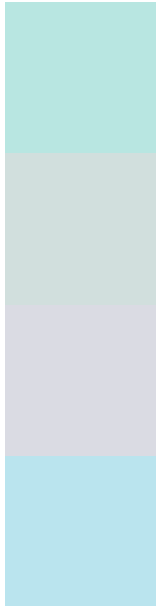






**Tritanopia**  
88, 15.647, 235.835

# Trichromacy



**Original Color**  
88, 15.964, 188.892

**Protanomaly**  
88, 5.082, 187.292

**Deuteranomaly**  
88, 4.198, 285.714

**Tritanomaly**  
88, 14.768, 219.380

# Monochromacy



**Original Color**  
88, 15.964, 188.892

**Achromatopsia**  
86, 0.010, 296.813

**Achromatomaly**  
87, 5.689, 193.813

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 15.964, 188.892 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(184, 230, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 230, 225) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 15.964, 188.892 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, 225) }
```

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

```
.border{ border-color:rgb(184, 230, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 230, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 230, 225); box-shadow:4px 4px 4px 4px rgb(184, 230, 225) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 15.964, 188.892 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, 225) }
```

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

```
.background{ background-color: rgb(184,  
230, 225) }
```

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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