

# Converting Colors

CIELCh(88, 26.768, 181.286)

Have a look what the booklet for  
CIELCh(88, 26.768, 181.286)  
contains.

<b>CIELCh(88, 26.655, 181.626)</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, 26.655, 181.626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EEBDD
RGB	158, 235, 221
RGB Percent	62%, 92%, 87%
CMY	0.3795, 0.0776, 0.1325
CMYK	0.33, 0.00, 0.06, 0.08
HSL	169°, 66%, 77%
HSV	169°, 33%, 92%
XYZ	56.9938, 72.0653, 79.4640
YIQ	210.3810, -41.3980, -20.6780

# Conversions

## Conversions Part 2

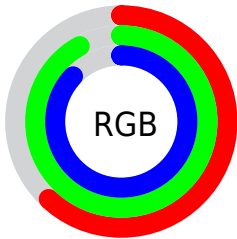
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 200, 235
Decimal	10415069
CIELab	88.00, -26.64, -0.76
CIELCh	88, 26.655, 181.626
Yxy	72.0653, 0.2733, 0.3456
Android (android.graphics.Color)	4288605149 (0xFF9EEBDD)
YUV	210.3810, 5.2352, -45.9381
Hunter-Lab	84.8913, -28.7194, 3.9244

# Details

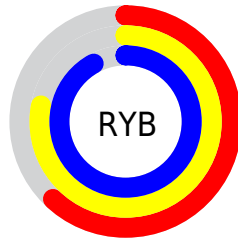
The CIELCh color **88, 26.655, 181.626** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **73, 30.853, 8.403**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 13.412, 198.611**, and **68, 26.738, 181.593** is the 20% darker color. If you saturate the color by 10%, you get **87, 33.725, 180.574**, and if you desaturate by 10%, it is **89, 18.975, 182.614**.

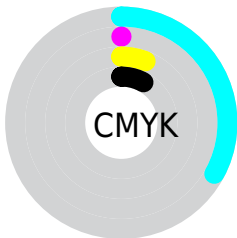
# Distribution



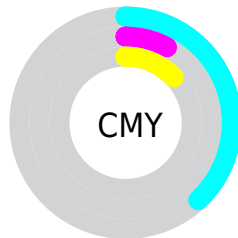
- Red (62%)
- Green (92%)
- Blue (87%)



- Red (62%)
- Yellow (78%)
- Blue (92%)



- Cyan (33%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)



- Cyan (38%)
- Magenta (8%)
- Yellow (13%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 26.655, 181.626 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, 26.655, 181.626 by changing the saturation by 10% instead.



 88, 26.655,  
181.626

 88, 26.655,  
181.626

 100, 26.655,  
181.626


 78, 26.655,  
181.626

 68, 26.655,  
181.626

 58, 26.655,  
181.626

 48, 26.655,  
181.626

 38, 26.655,  
181.626


 28, 26.655,  
181.626

 18, 26.655,


181.626

 8, 26.655, 181.626

 0, 26.655, 181.626


 88, 26.655,  
181.626


 88, 26.655,  
181.626

 87, 33.725,  
180.574

 89, 18.975,  
182.614

 86, 40.039,  
179.445

 91, 10.829,  
183.568


 85, 45.473,  
178.217

 93, 2.356, 184.650

 84, 49.942,  
176.865

 95, 6.323, 5.166

 84, 53.418,

 95, 8.017, 351.727

175.368

95, 9.244, 339.660

84, 55.955,  
173.708

95, 10.786,  
330.765

84, 57.360,  
172.426

95, 12.341,  
324.845

# Harmonies

# Complementary

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



88, 26.655, 181.626



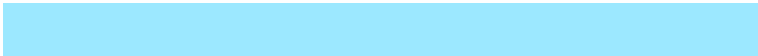
73, 30.853, 8.403

# Rectangle

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



88, 26.655, 181.626



88, 26.655, 231.626



88, 26.655, 1.626



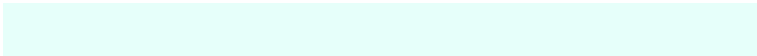
88, 26.655, 51.626

# Sweetspot

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



88, 26.656, 181.623



98, 9.114, 183.825



87, 46.153, 137.500



52, 6.205, 183.690



0, 0.000, 0.000



53, 0.007, 296.813



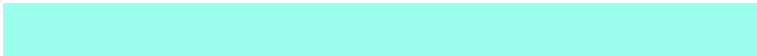


# Same Dimension

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



88, 26.656, 181.623



94, 33.253, 180.956



82, 20.762, 237.284



48, 4.843, 183.881



66, 46.966, 172.749



19, 19.456, 175.650



# Inverse Universe

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



73, 30.853, 8.403



75, 39.731, 9.474



78, 25.214, 51.447



46, 5.038, 5.456



38, 72.667, 30.697

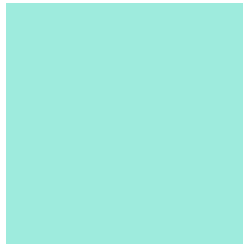


7, 27.942, 15.213



# Previews

## White Background



This preview shows how the CIE LCh color 88, 26.655, 181.626 looks on a white background.

## Color Contrast Check

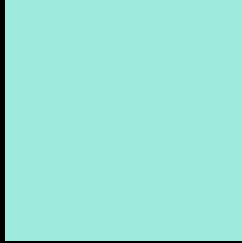
Large Text (above 18pt) WCAG AA × Fail

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, 26.655, 181.626 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

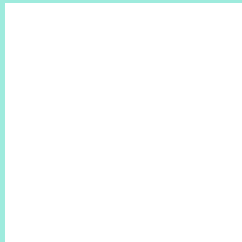
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 88, 26.655, 181.626**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 26.655, 181.626.

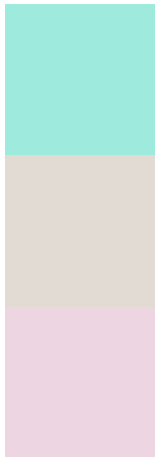


This preview shows how white text looks on a background with the CIELCh color 88, 26.655, 181.626.

# 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, 26.655, 181.626

**Protanopia**  
88, 4.234, 78.660

**Deuteranopia**  
88, 11.314, 343.421



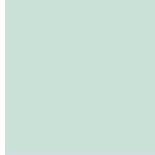


**Tritanopia**  
88, 22.608, 224.431

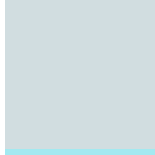
# Trichromacy



**Original Color**  
88, 26.655, 181.626



**Protanomaly**  
88, 10.068, 167.494



**Deuteranomaly**  
87, 4.480, 219.787

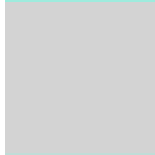


**Tritanomaly**  
88, 22.555, 207.384

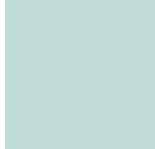
# Monochromacy



**Original Color**  
88, 26.655, 181.626



**Achromatopsia**  
85, 0.010, 296.813



**Achromatomaly**  
86, 10.234, 183.833

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 26.655, 181.626 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(158, 235, 221)` looks like.

```
.text, #text, p{  
    color:rgb(158, 235, 221)  
}
```

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(158, 235, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 235, 221) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 26.655, 181.626 is called "border". The border property can be set on classes, ids or directly on the HTML element.

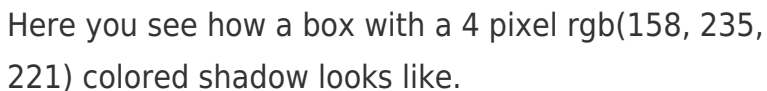
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 235, 221) }
```

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

```
.border{ border-color:rgb(158, 235, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 235, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 235, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 235, 221); box-shadow:4px 4px 4px 4px rgb(158, 235, 221) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 26.655, 181.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 235, 221) }
```

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

```
.background{ background-color: rgb(158,  
235, 221) }
```

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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