

# Converting Colors

CIELCh(88, 25.417, 186.081)

Have a look what the booklet for  
CIELCh(88, 25.417, 186.081)  
contains.

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**Color**

**CIELCh(88, 25.625, 185.876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FEBE1
RGB	159, 235, 225
RGB Percent	62%, 92%, 88%
CMY	0.3773, 0.0793, 0.1185
CMYK	0.32, 0.00, 0.04, 0.08
HSL	172°, 65%, 77%
HSV	172°, 32%, 92%
XYZ	57.4630, 72.0653, 81.9615
YIQ	211.1360, -42.0860, -19.2220

# Conversions

## Conversions Part 2

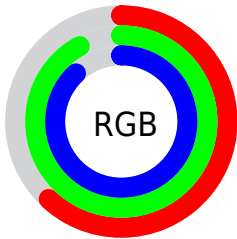
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 200, 235
Decimal	10480609
CIELab	88.00, -25.49, -2.62
CIElCh	88, 25.625, 185.876
Yxy	72.0653, 0.2717, 0.3408
Android (android.graphics.Color)	4288670689 (0xFF9FEBE1)
YUV	211.1360, 6.8350, -45.7233
Hunter-Lab	84.8913, -27.7328, 2.1801

# Details

The CIELCh color **88, 25.625, 185.876** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **73, 30.273, 12.183**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 13.092, 198.632**, and **68, 25.640, 186.094** is the 20% darker color. If you saturate the color by 10%, you get **87, 32.387, 184.951**, and if you desaturate by 10%, it is **89, 18.213, 186.762**.

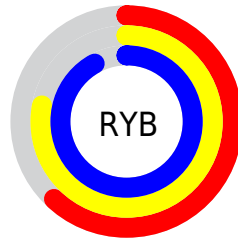
# Distribution



Red (62%)

Green (92%)

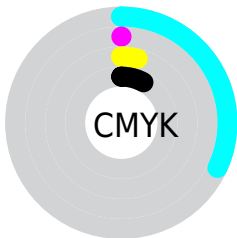
Blue (88%)



Red (62%)

Yellow (78%)

Blue (92%)

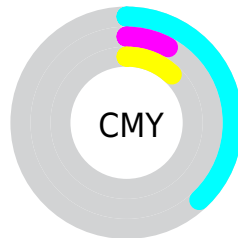


Cyan (32%)

Magenta (0%)

Yellow (4%)

Black (8%)



Cyan (38%)

Magenta (8%)


Yellow (12%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 25.625, 185.876 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, 25.625, 185.876 by changing the saturation by 10% instead.





 88, 25.625,  
185.876


 88, 25.625,  
185.876


 100, 25.625,  
185.876


 78, 25.625,  
185.876

 68, 25.625,  
185.876

 58, 25.625,  
185.876

 48, 25.625,  
185.876

 38, 25.625,  
185.876

 28, 25.625,  
185.876

 18, 25.625,

185.876

■ 8, 25.625, 185.876

■ 0, 25.625, 185.876

■ 88, 25.625,  
185.876

■ 88, 25.625,  
185.876

■ 87, 32.387,  
184.951

■ 89, 18.213,  
186.762

■ 86, 38.357,  
183.979

■ 91, 10.292,  
187.638

■ 85, 43.417,  
182.943

■ 93, 2.000, 188.705

■ 85, 47.487,  
181.820

■ 94, 6.541, 9.123

■ 95, 7.758, 358.792

■ 84, 50.547,

180.591

95, 8.444, 348.711

84, 52.652,  
179.237

95, 9.354, 340.383

84, 53.773,  
178.134

95, 10.429,  
333.672

95, 11.623,  
328.299

# Harmonies

# Complementary

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



88, 25.625, 185.876



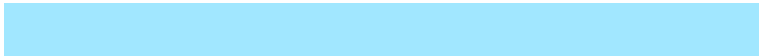
73, 30.273, 12.183

# Rectangle

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



88, 25.625, 185.876



88, 25.625, 235.876



88, 25.625, 5.876



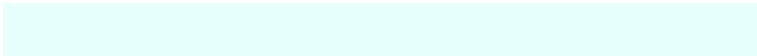
88, 25.625, 55.876

# Sweetspot

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



88, 25.626, 185.873



98, 8.936, 187.845



87, 46.291, 138.859



52, 6.081, 187.719



0, 0.000, 0.000



53, 0.007, 296.813



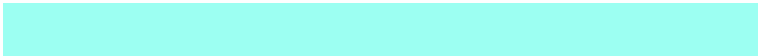


# Same Dimension

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



88, 25.626, 185.873



94, 32.262, 185.250



81, 20.899, 244.098



48, 4.749, 187.898



66, 44.146, 178.395



19, 18.482, 180.735



# Inverse Universe

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



73, 30.273, 12.183



75, 39.640, 13.302



79, 24.705, 56.959



46, 4.969, 9.368



38, 75.123, 34.015

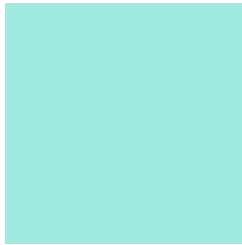


7, 28.061, 17.315



# Previews

## White Background



This preview shows how the CIELCh color 88, 25.625, 185.876 looks on a white background.

## Color Contrast Check

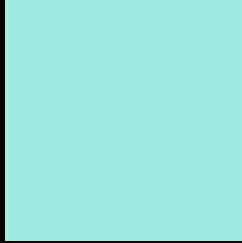
Large Text (above 18pt) WCAG AA × Fail

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, 25.625, 185.876 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

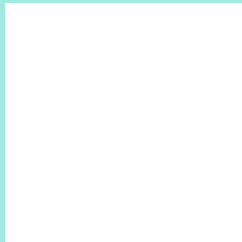
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 88, 25.625, 185.876

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 25.625, 185.876.

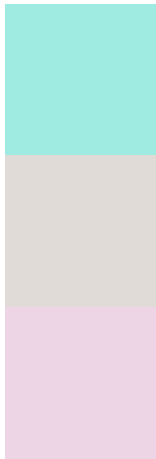


This preview shows how white text looks on a background with the CIELCh color 88, 25.625, 185.876.

# 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, 25.625, 185.876

**Protanopia**  
88, 2.664, 55.181

**Deuteranopia**  
88, 12.037, 336.353



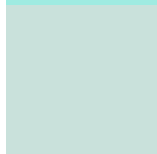


**Tritanopia**  
88, 22.608, 224.431

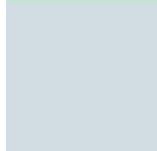
# Trichromacy



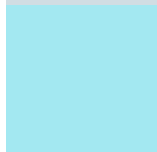
**Original Color**  
88, 25.625, 185.876



**Protanomaly**  
88, 9.073, 178.595



**Deuteranomaly**  
87, 5.194, 236.494



**Tritanomaly**  
88, 22.344, 210.264

# Monochromacy



**Original Color**  
88, 25.625, 185.876



**Achromatopsia**  
85, 0.010, 296.813



**Achromatomaly**  
86, 10.083, 186.691

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 25.625, 185.876 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(159, 235, 225)` looks like.

```
.text, #text, p{  
    color:rgb(159, 235, 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(159, 235, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 235, 225) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 25.625, 185.876 is called "border". The border property can be set on classes, ids or directly on the HTML element.

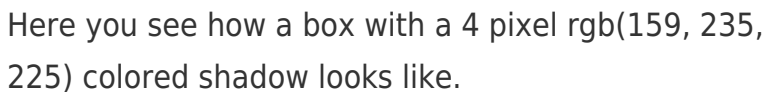
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 235, 225) }
```

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

```
.border{ border-color:rgb(159, 235, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 235, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 235, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 235, 225);  
box-shadow:4px 4px 4px 4px rgb(159, 235,  
225) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 25.625, 185.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 235, 225) }
```

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

```
.background{ background-color: rgb(159,  
235, 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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