

Converting Colors

CIELCh(88, 38.487, 164.002)

Have a look what the booklet for
CIELCh(88, 38.487, 164.002)
contains.

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Color

CIELCh(88, 38.473, 164.040)

Conversions

Conversions Part 1

Format	Color
Hex	90EFC7
RGB	144, 239, 199
RGB Percent	56%, 94%, 78%
CMY	0.4338, 0.0612, 0.2181
CMYK	0.40, 0.00, 0.17, 0.06
HSL	155°, 75%, 75%
HSV	155°, 40%, 94%
XYZ	52.9005, 72.0653, 65.3821
YIQ	206.0350, -43.7800, -32.5800

Conversions

Conversions Part 2

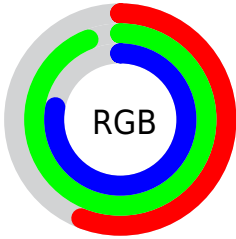
Format	Color
RYB	144, 204, 239
Decimal	9498567
CIELab	88.00, -36.99, 10.58
CIELCh	88, 38.473, 164.040
Yxy	72.0653, 0.2779, 0.3786
Android (android.graphics.Color)	4287688647 (0xFF90EFC7)
YUV	206.0350, -3.4683, -54.4047
Hunter-Lab	84.8913, -37.3264, 13.7595

Details

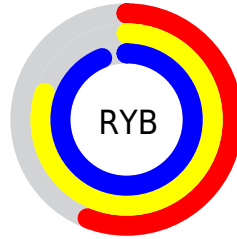
The CIELCh color **88, 38.473, 164.040** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71, 41.305, 352.507**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 17.795, 198.327**, and **68, 38.800, 163.764** is the 20% darker color. If you saturate the color by 10%, you get **87, 47.212, 162.696**, and if you desaturate by 10%, it is **89, 29.190, 165.238**.

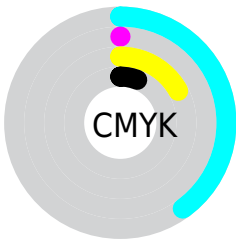
Distribution



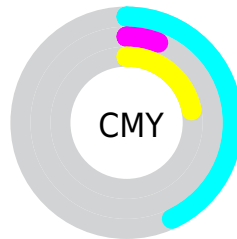
- Red (56%)
- Green (94%)
- Blue (78%)



- Red (56%)
- Yellow (80%)
- Blue (94%)



- Cyan (40%)
- Magenta (0%)
- Yellow (17%)
- Black (6%)





- Cyan (43%)
- Magenta (6%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 38.473, 164.040 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, 38.473, 164.040 by changing the saturation by 10% instead.


 88, 38.473,
164.040


 88, 38.473,
164.040


 100, 38.473,
164.040


 78, 38.473,
164.040


 68, 38.473,
164.040

 58, 38.473,
164.040

 48, 38.473,
164.040

 38, 38.473,
164.040


 28, 38.473,
164.040

 18, 38.473,

164.040


 8, 38.473, 164.040


 0, 38.473, 164.040


 88, 38.473,
164.040


 88, 38.473,
164.040

 87, 47.212,
162.696


 89, 29.190,
165.238

 86, 55.238,
161.184

 91, 19.529,
166.319

 85, 62.410,
159.477

 93, 9.648, 167.317

 85, 68.641,
157.557

 95, 0.317, 346.586

 96, 7.691, 336.064

 84, 73.922,

155.423

96, 9.730, 324.748

84, 78.404,
153.134

84, 78.539,
153.064

Harmonies

Complementary

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



88, 38.473, 164.040



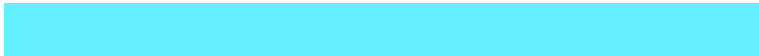
71, 41.305, 352.507

Rectangle

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



88, 38.473, 164.040



88, 38.473, 214.040



88, 38.473, 344.040



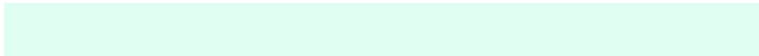
88, 38.473, 34.040

Sweetspot

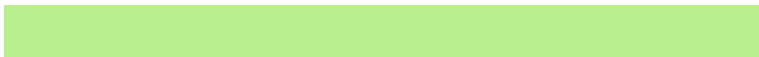
The Sweet Spot groups the original color and five complimentary colors.



88, 38.474, 164.039



98, 12.571, 167.087



89, 52.463, 129.511



52, 8.335, 166.958



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, 38.474, 164.039



92, 48.170, 162.912



87, 27.506, 204.636



49, 5.664, 167.338



66, 63.856, 153.485



20, 26.027, 157.237

Inverse Universe

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



71, 41.305, 352.507



70, 52.355, 353.850



71, 36.909, 28.074



47, 5.765, 348.931



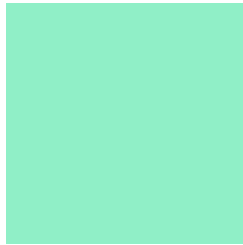
39, 66.067, 9.585



8, 28.915, 1.813

Previews

White Background



This preview shows how the CIE LCh color 88, 38.473, 164.040 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, 38.473, 164.040 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, 38.473, 164.040

Background



This preview shows how black text looks on a background with the CIELCh color 88, 38.473, 164.040.

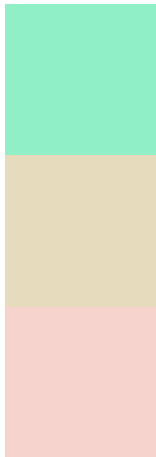


This preview shows how white text looks on a background with the CIELCh color 88, 38.473, 164.040.

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, 38.473, 164.040

Protanopia
88, 16.150, 93.802

Deuteranopia
88, 13.302, 36.072

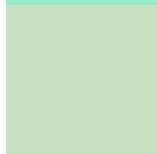


Tritanopia
88, 24.809, 221.817

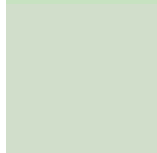
Trichromacy



Original Color
88, 38.473, 164.040



Protanomaly
87, 19.921, 138.649



Deuteranomaly
87, 11.029, 134.885



Tritanomaly
88, 26.594, 194.255

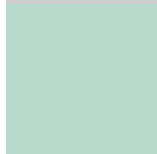
Monochromacy



Original Color
88, 38.473, 164.040



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 14.274, 167.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 38.473, 164.040 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(144, 239, 199)` looks like.

```
.text, #text, p{  
    color:rgb(144, 239, 199)  
}
```

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(144, 239, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 239, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 38.473, 164.040 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(144, 239, 199) }
```

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

```
.border{ border-color:rgb(144, 239, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 239, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 239, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 239, 199);  
box-shadow:4px 4px 4px 4px rgb(144, 239,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 38.473, 164.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 239, 199) }
```

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

```
.background{ background-color: rgb(144,  
239, 199) }
```

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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