

Converting Colors

CIELCh(85, 22.589, 210.456)

Have a look what the booklet for
CIELCh(85, 22.589, 210.456)
contains.

CIELCh(85, 22.659, 210.122)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(85, 22.659, 210.122)

Conversions

Conversions Part 1

Format	Color
Hex	9AE0E9
RGB	154, 224, 233
RGB Percent	60%, 88%, 91%
CMY	0.3964, 0.1219, 0.0866
CMYK	0.34, 0.04, 0.00, 0.09
HSL	187°, 64%, 76%
HSV	187°, 34%, 91%
XYZ	54.6401, 66.0070, 86.8893
YIQ	204.0960, -44.6090, -12.0410

Conversions

Conversions Part 2

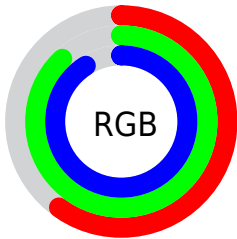
Format	Color
RYB	154, 191, 233
Decimal	10150121
CIELab	85.00, -19.60, -11.37
CIELCh	85, 22.659, 210.122
Yxy	66.0070, 0.2633, 0.3181
Android (android.graphics.Color)	4288340201 (0xFF9AE0E9)
YUV	204.0960, 14.2497, -43.9342
Hunter-Lab	81.2447, -22.1302, -6.5380

Details

The CIELCh color `85, 22.659, 210.122` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `73, 29.017, 31.346`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `97, 14.683, 198.527`, and `65, 22.746, 208.991` is the 20% darker color. If you saturate the color by 10%, you get `83, 27.991, 210.448`, and if you desaturate by 10%, it is `87, 16.617, 209.962`.

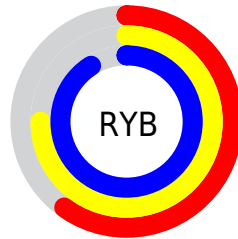
Distribution



Red (60%)

Green (88%)

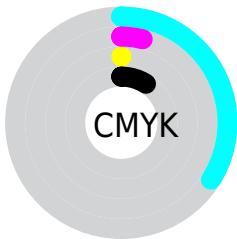
Blue (91%)



Red (60%)

Yellow (75%)

Blue (91%)

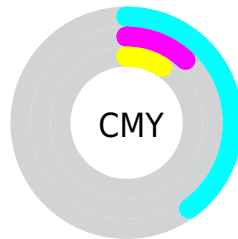


Cyan (34%)

Magenta (4%)

Yellow (0%)

Black (9%)



Cyan (40%)


Magenta (12%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 22.659, 210.122 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 85, 22.659, 210.122 by changing the saturation by 10% instead.


 85, 22.659,
210.122


 85, 22.659,
210.122


 100, 22.659,
210.122


 75, 22.659,
210.122

 65, 22.659,
210.122

 55, 22.659,
210.122

 45, 22.659,
210.122

 35, 22.659,
210.122

 25, 22.659,
210.122

 15, 22.659,

210.122

■ 5, 22.659, 210.122

■ 0, 22.659, 210.122

■ 85, 22.659,
210.122

■ 85, 22.659,
210.122

■ 83, 27.991,
210.448

■ 87, 16.617,
209.962

■ 82, 32.497,
210.986

■ 89, 9.986, 209.954

■ 80, 36.083,
211.775

■ 91, 2.886, 210.182

■ 79, 38.694,
212.862

■ 94, 4.577, 29.987

■ 78, 40.334,

■ 96, 6.503, 52.506

214.294

96, 6.634, 66.854

77, 41.084,
216.110

97, 7.154, 79.842

76, 41.242,
217.371

98, 7.985, 90.574

Harmonies

Complementary

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



85, 22.659, 210.122



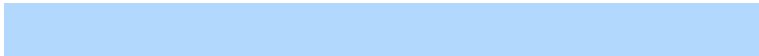
73, 29.017, 31.346

Rectangle

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



85, 22.659, 210.122



85, 22.659, 260.122



85, 22.659, 30.122



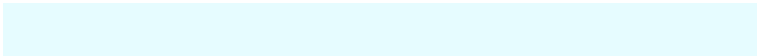
85, 22.659, 80.122

Sweetspot

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



85, 22.659, 210.118



97, 7.807, 209.995



86, 46.908, 144.719



52, 5.306, 209.976



0, 0.000, 0.000



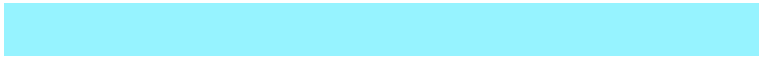
53, 0.007, 296.813

Same Dimension

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



85, 22.659, 210.118



91, 28.509, 210.340



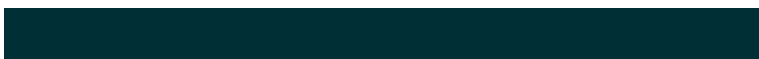
75, 27.091, 271.029



48, 4.152, 210.004



60, 34.191, 216.989



17, 14.812, 213.613

Inverse Universe

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



73, 46.479, 329.710



76, 60.015, 330.147



83, 28.166, 80.931



46, 7.821, 328.227



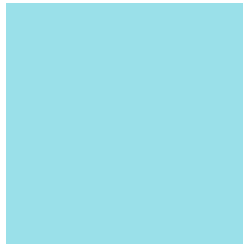
42, 81.741, 333.348



9, 35.461, 332.519

Previews

White Background



This preview shows how the CIE LCh color 85, 22.659, 210.122 looks on a white background.

Color Contrast Check

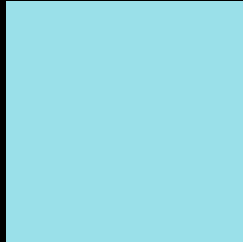
Large Text (above 18pt) WCAG AA × Fail

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 85, 22.659, 210.122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

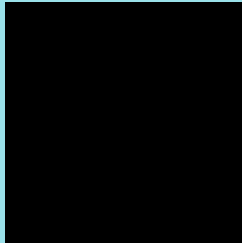
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 22.659, 210.122

Background



This preview shows how black text looks on a background with the CIELCh color 85, 22.659, 210.122.



This preview shows how white text looks on a background with the CIELCh color 85, 22.659, 210.122.

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



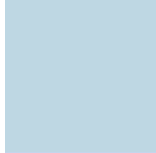


Tritanopia
85, 22.741, 222.928

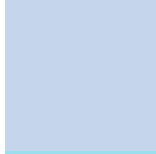
Trichromacy



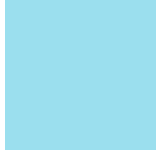
Original Color
85, 22.659, 210.122



Protanomaly
85, 10.488, 236.144



Deuteranomaly
85, 13.261, 265.534

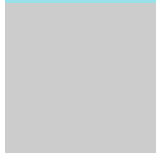


Tritanomaly
85, 22.595, 218.679

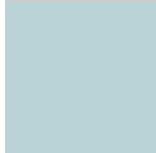
Monochromacy



Original Color
85, 22.659, 210.122



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 8.916, 212.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 22.659, 210.122 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(154, 224, 233)` looks like.

```
.text, #text, p{  
    color:rgb(154, 224, 233)  
}
```

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(154, 224, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 224, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 22.659, 210.122 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(154, 224, 233) }
```

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

```
.border{ border-color:rgb(154, 224, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 224, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 224, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 224, 233);  
box-shadow:4px 4px 4px 4px rgb(154, 224,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 22.659, 210.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 224, 233) }
```

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

```
.background{ background-color: rgb(154,  
224, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor