

Converting Colors

CIELCh(85, 15.461, 221.417)

Have a look what the booklet for
CIELCh(85, 15.461, 221.417)
contains.

CIELCh(85, 15.551, 220.467)	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, 15.551, 220.467)

Conversions

Conversions Part 1

Format	Color
Hex	B0DCE7
RGB	176, 220, 231
RGB Percent	69%, 86%, 91%
CMY	0.3108, 0.1382, 0.0951
CMYK	0.24, 0.05, 0.00, 0.10
HSL	192°, 53%, 80%
HSV	192°, 24%, 90%
XYZ	57.7606, 66.0070, 85.1052
YIQ	208.0980, -29.7550, -5.9070

Conversions

Conversions Part 2

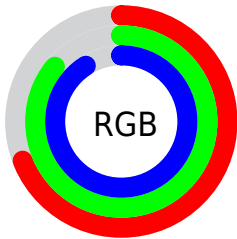
Format	Color
RYB	176, 200, 231
Decimal	11590887
CIELab	85.00, -11.83, -10.09
CIELCh	85, 15.551, 220.467
Yxy	66.0070, 0.2765, 0.3160
Android (android.graphics.Color)	4289780967 (0xFFB0DCE7)
YUV	208.0980, 11.2907, -28.1499
Hunter-Lab	81.2447, -15.2744, -5.2360

Details

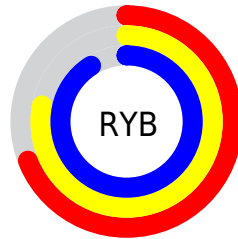
The CIELCh color `85, 15.551, 220.467` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `79, 18.267, 39.164`, and the grayscale version is `83, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 7.855, 198.993`, and `65, 15.539, 219.370` is the 20% darker color. If you saturate the color by 10%, you get `82, 21.283, 221.175`, and if you desaturate by 10%, it is `88, 9.304, 219.975`.

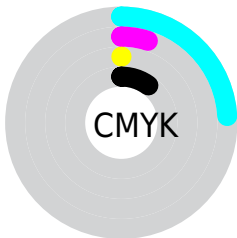
Distribution



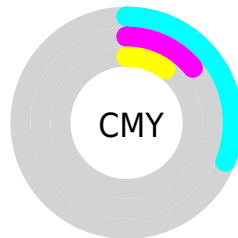
- Red (69%)
- Green (86%)
- Blue (91%)



- Red (69%)
- Yellow (78%)
- Blue (91%)



- Cyan (24%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)





- Cyan (31%)
- Magenta (14%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 15.551, 220.467 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, 15.551, 220.467 by changing the saturation by 10% instead.


 85, 15.551,
220.467


 85, 15.551,
220.467


 100, 15.551,
220.467


 75, 15.551,
220.467

 65, 15.551,
220.467

 55, 15.551,
220.467

 45, 15.551,
220.467

 35, 15.551,
220.467

 25, 15.551,
220.467

 15, 15.551,

220.467

■ 5, 15.551, 220.467

■ 0, 15.551, 220.467

■ 85, 15.551,
220.467

■ 85, 15.551,
220.467

■ 82, 21.283,
221.175

■ 88, 9.304, 219.975

■ 80, 26.393,
222.163

■ 90, 2.644, 219.793

■ 93, 4.338, 39.208

■ 78, 30.782,
223.491

■ 95, 7.172, 51.749

■ 76, 34.369,
225.235

■ 96, 7.561, 73.942

■ 98, 8.905, 91.572

■ 74, 37.114,

227.482

99, 10.848,
103.684

72, 39.041,
230.314

99, 12.278,
109.249

71, 40.256,
233.786

70, 40.795,
236.175

Harmonies

Complementary

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



85, 15.551, 220.467



79, 18.267, 39.164

Rectangle

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



85, 15.551, 220.467



85, 15.551, 270.467



85, 15.551, 40.467



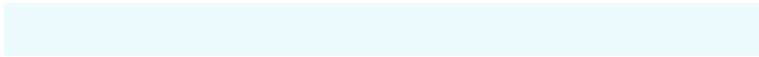
85, 15.551, 90.467

Sweetspot

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



85, 15.551, 220.461



98, 5.198, 219.785



87, 30.886, 148.239



52, 3.372, 219.794



0, 0.000, 0.000



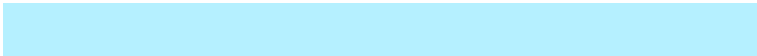
53, 0.007, 296.813

Same Dimension

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



85, 15.551, 220.461



91, 20.142, 220.811



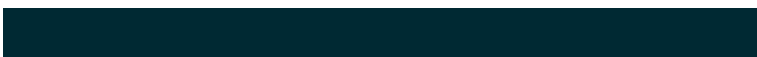
78, 20.760, 275.927



47, 3.848, 219.834



55, 33.610, 235.446



14, 13.983, 228.727

Inverse Universe

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



78, 30.643, 332.043



82, 40.413, 332.404



86, 20.773, 89.403



45, 7.229, 331.088



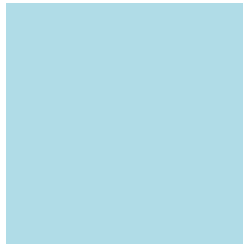
40, 75.753, 338.123



8, 32.524, 336.311

Previews

White Background



This preview shows how the CIELCh color 85, 15.551, 220.467 looks on a white background.

Color Contrast Check

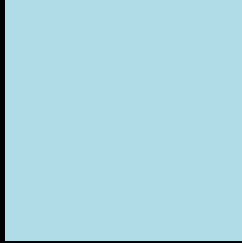
Large Text (above 18pt) WCAG AA × Fail

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, 15.551, 220.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

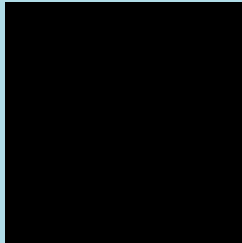
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 15.551, 220.467

Background



This preview shows how black text looks on a background with the CIELCh color 85, 15.551, 220.467.



This preview shows how white text looks on a background with the CIELCh color 85, 15.551, 220.467.

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, 16.207, 232.299

Trichromacy



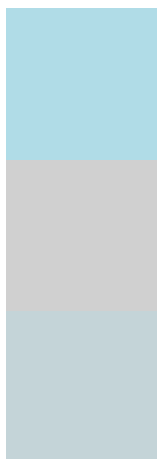
Original Color
85, 15.551, 220.467

Protanomaly
85, 8.486, 253.097

Deuteranomaly
85, 11.726, 281.037

Tritanomaly
85, 15.741, 228.851

Monochromacy



Original Color
85, 15.551, 220.467

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 5.976, 219.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 15.551, 220.467 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(176, 220, 231)` looks like.

```
.text, #text, p{  
    color:rgb(176, 220, 231)  
}
```

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(176, 220, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 220, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 15.551, 220.467 is called "border". The border property can be set on classes, ids or directly on the HTML element.

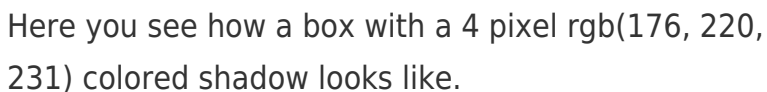
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 220, 231) }
```

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

```
.border{ border-color:rgb(176, 220, 231) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 220, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 220, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 220, 231); box-shadow:4px 4px 4px 4px rgb(176, 220, 231) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 15.551, 220.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 220, 231) }
```

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

```
.background{ background-color: rgb(176,  
220, 231) }
```

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