

Converting Colors

CIELCh(85, 46.355, 170.738)

Have a look what the booklet for
CIELCh(85, 46.355, 170.738)
contains.

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Color

CIELCh(85, 46.452, 170.809)

Conversions

Conversions Part 1

Format	Color
Hex	64EBC5
RGB	100, 235, 197
RGB Percent	39%, 92%, 77%
CMY	0.6088, 0.0793, 0.2283
CMYK	0.58, 0.00, 0.16, 0.08
HSL	163°, 77%, 66%
HSV	163°, 58%, 92%
XYZ	44.9278, 66.0070, 63.0696
YIQ	190.3030, -68.2620, -40.4380

Conversions

Conversions Part 2

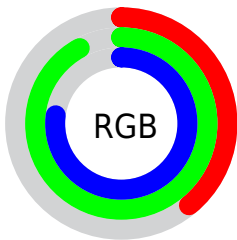
Format	Color
RYB	100, 179, 235
Decimal	6613957
CIELab	85.00, -45.86, 7.42
CIELCh	85, 46.452, 170.809
Yxy	66.0070, 0.2582, 0.3793
Android (android.graphics.Color)	4284804037 (0xFF64EBC5)
YUV	190.3030, 3.3016, -79.1957
Hunter-Lab	81.2447, -43.4690, 10.8449

Details

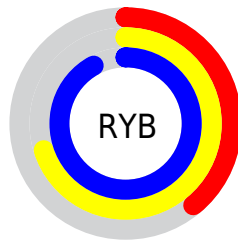
The CIELCh color **85, 46.452, 170.809** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **60, 55.875, 5.885**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.215, 196.595**, and **65, 46.344, 170.823** is the 20% darker color. If you saturate the color by 10%, you get **84, 52.340, 169.272**, and if you desaturate by 10%, it is **86, 39.699, 172.187**.

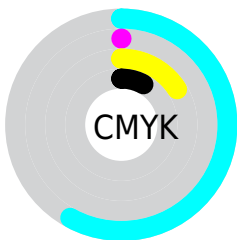
Distribution



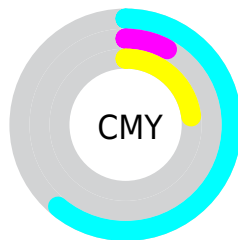
- Red (39%)
- Green (92%)
- Blue (77%)



- Red (39%)
- Yellow (70%)
- Blue (92%)



- Cyan (58%)
- Magenta (0%)
- Yellow (16%)
- Black (8%)





- Cyan (61%)
- Magenta (8%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 46.452, 170.809 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, 46.452, 170.809 by changing the saturation by 10% instead.


 85, 46.452,
170.809


 85, 46.452,
170.809


 100, 46.452,
170.809


 75, 46.452,
170.809

 65, 46.452,
170.809

 55, 46.452,
170.809

 45, 46.452,
170.809

 35, 46.452,
170.809

 25, 46.452,
170.809

 15, 46.452,

170.809

■ 5, 46.452, 170.809

■ 0, 46.452, 170.809

■ 85, 46.452,
170.809

■ 85, 46.452,
170.809

■ 84, 52.340,
169.272

■ 86, 39.699,
172.187

■ 84, 57.286,
167.556

■ 87, 32.202,
173.435

■ 83, 61.285,
165.642

■ 88, 24.110,
174.576

■ 83, 64.441,
163.540

■ 90, 15.575,
175.634

■ 83, 65.167,

■ 92, 6.743, 176.653

163.014

■ 93, 2.258, 357.242

■ 95, 8.372, 349.569

■ 95, 10.482,
333.400

■ 95, 12.618,
324.856

Harmonies

Complementary

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



85, 46.452, 170.809



60, 55.875, 5.885

Rectangle

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



85, 46.452, 170.809



85, 46.452, 220.809



85, 46.452, 350.809



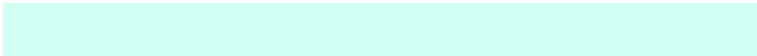
85, 46.452, 40.809

Sweetspot

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



85, 46.453, 170.808



97, 16.179, 175.679



85, 76.442, 133.248



51, 10.795, 175.471



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, 46.453, 170.808



91, 56.739, 168.977



78, 32.544, 226.718



48, 5.092, 176.451



66, 53.322, 163.403



19, 21.666, 166.995

Inverse Universe

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



60, 55.875, 5.885



60, 70.249, 9.354



65, 50.809, 41.693



46, 5.243, 358.110



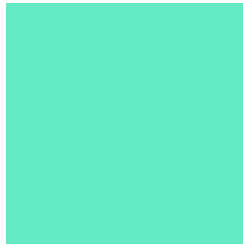
38, 68.404, 22.682



7, 27.804, 10.419

Previews

White Background



This preview shows how the CIE LCh color 85, 46.452, 170.809 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, 46.452, 170.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

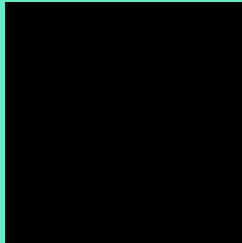
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 46.452, 170.809

Background



This preview shows how black text looks on a background with the CIELCh color 85, 46.452, 170.809.

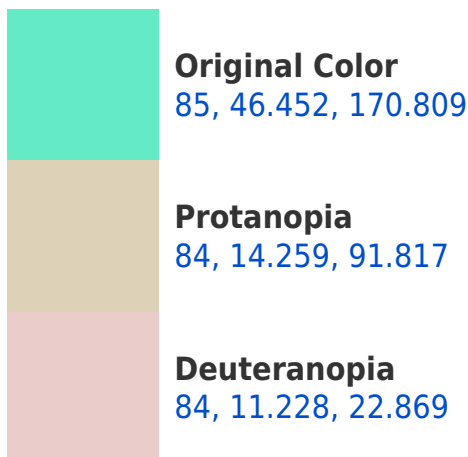



This preview shows how white text looks on a background with the CIELCh color 85, 46.452, 170.809.

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, 32.708, 214.451

Trichromacy



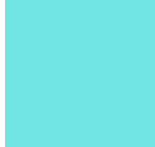
Original Color
85, 46.452, 170.809



Protanomaly
84, 22.076, 152.302



Deuteranomaly
84, 13.142, 164.297

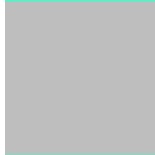


Tritanomaly
85, 35.119, 195.346

Monochromacy



Original Color
85, 46.452, 170.809



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 18.923, 174.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 46.452, 170.809 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(100, 235, 197)` looks like.

```
.text, #text, p{  
    color:rgb(100, 235, 197)  
}
```

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(100, 235, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 235, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 46.452, 170.809 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(100, 235, 197) }
```

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

```
.border{ border-color:rgb(100, 235, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 235, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 235, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 235, 197);  
box-shadow:4px 4px 4px 4px rgb(100, 235,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 46.452, 170.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 235, 197) }
```

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

```
.background{ background-color: rgb(100,  
235, 197) }
```

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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