

Converting Colors

CIELCh(85, 73.944, 139.666)

Have a look what the booklet for
CIELCh(85, 73.944, 139.666)
contains.

CIELCh(85, 73.795, 139.594)	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, 73.795, 139.594)

Conversions

Conversions Part 1

Format	Color
Hex	79ED75
RGB	121, 237, 117
RGB Percent	47%, 93%, 46%
CMY	0.5250, 0.0701, 0.5407
CMYK	0.49, 0.00, 0.51, 0.07
HSL	118°, 77%, 69%
HSV	118°, 51%, 93%
XYZ	41.4447, 66.0070, 27.4234
YIQ	188.6360, -30.6160, -61.9120

Conversions

Conversions Part 2

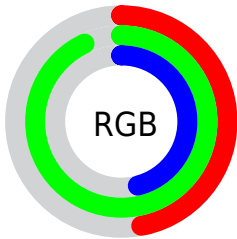
Format	Color
RYB	117, 237, 233
Decimal	7990645
CIELab	85.00, -56.19, 47.83
CIELCh	85, 73.795, 139.594
Yxy	66.0070, 0.3073, 0.4894
Android (android.graphics.Color)	4286180725 (0xFF79ED75)
YUV	188.6360, -35.3165, -59.3168
Hunter-Lab	81.2447, -51.1215, 36.8585

Details

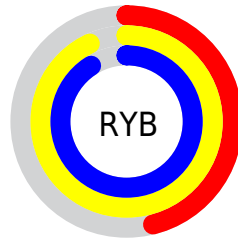
The CIELCh color $85, 73.795, 139.594$ is a light color, and the websafe version is hex $99FF99$. A complement of this color would be $67, 73.606, 326.071$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 50.779, 139.478$, and $65, 73.588, 139.625$ is the 20% darker color. If you saturate the color by 10%, you get $84, 86.305, 138.547$, and if you desaturate by 10%, it is $86, 60.066, 140.589$.

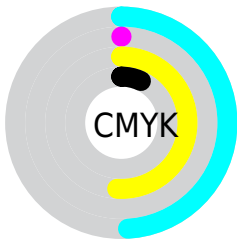
Distribution



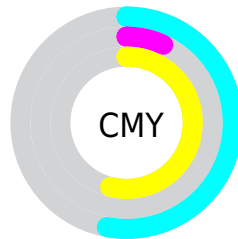
- Red (47%)
- Green (93%)
- Blue (46%)



- Red (46%)
- Yellow (93%)
- Blue (91%)



- Cyan (49%)
- Magenta (0%)
- Yellow (51%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 73.795, 139.594 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, 73.795, 139.594 by changing the saturation by 10% instead.


 85, 73.795,
139.594


 85, 73.795,
139.594


 100, 73.795,
139.594


 75, 73.795,
139.594

 65, 73.795,
139.594

 55, 73.795,
139.594

 45, 73.795,
139.594

 35, 73.795,
139.594


 25, 73.795,
139.594


 15, 73.795,

139.594


 5, 73.795, 139.594


 0, 73.795, 139.594

 85, 73.795,
139.594


 85, 73.795,
139.594

 84, 86.305,
138.547


 86, 60.066,
140.589


 83, 97.029,
137.535


 88, 45.583,
141.488

 83, 105.342,
136.689

 89, 30.716,
142.277


 82, 110.722,
136.150

 91, 15.747,
142.961

 82, 113.214,

 94, 0.888, 143.838

135.915

 96, 11.143,
324.801

Harmonies

Complementary

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



85, 73.795, 139.594



67, 73.606, 326.071

Rectangle

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



85, 73.795, 139.594



85, 73.795, 189.594



85, 73.795, 319.594



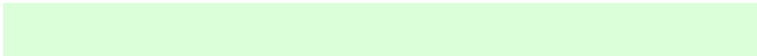
85, 73.795, 9.594

Sweetspot

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



85, 73.796, 139.594



97, 23.672, 142.668



90, 57.043, 102.991



51, 16.163, 142.522



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, 73.796, 139.594



90, 91.959, 138.481



86, 53.225, 155.774



48, 8.353, 143.034



64, 92.439, 135.874



18, 37.940, 137.727

Inverse Universe

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



67, 73.606, 326.071



67, 91.225, 326.458



65, 55.311, 346.159



46, 8.370, 324.029



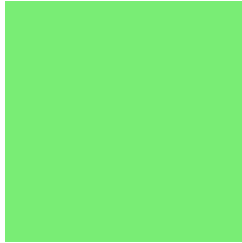
42, 89.506, 326.919



9, 38.318, 327.110

Previews

White Background



This preview shows how the CIE LCh color 85, 73.795, 139.594 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, 73.795, 139.594 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, 73.795, 139.594

Background



This preview shows how black text looks on a background with the CIELCh color 85, 73.795, 139.594.

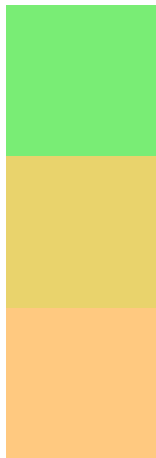


This preview shows how white text looks on a background with the CIELCh color 85, 73.795, 139.594.

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
85, 73.795, 139.594

Protanopia
84, 53.368, 95.519

Deuteranopia
84, 44.873, 76.331



Tritanopia
85, 25.070, 219.023

Trichromacy



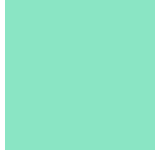
Original Color
85, 73.795, 139.594



Protanomaly
84, 56.755, 117.453



Deuteranomaly
83, 46.267, 110.206

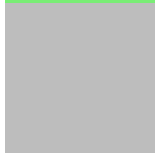


Tritanomaly
85, 35.437, 167.632

Monochromacy



Original Color
85, 73.795, 139.594



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 28.472, 142.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 73.795, 139.594 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(121, 237, 117)` looks like.

```
.text, #text, p{  
    color:rgb(121, 237, 117)  
}
```

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(121, 237, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 237, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 73.795, 139.594 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(121, 237, 117) }
```

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

```
.border{ border-color:rgb(121, 237, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 237, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 237, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 237, 117); box-shadow:4px 4px 4px 4px rgb(121, 237, 117) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 73.795, 139.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 237, 117) }
```

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

```
.background{ background-color: rgb(121,  
237, 117) }
```

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