

Converting Colors

CIELCh(85, 66.045, 144.492)

Have a look what the booklet for
CIELCh(85, 66.045, 144.492)
contains.

CIELCh(85, 66.194, 144.538)	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, 66.194, 144.538)

Conversions

Conversions Part 1

Format	Color
Hex	77ED89
RGB	119, 237, 137
RGB Percent	47%, 93%, 54%
CMY	0.5350, 0.0722, 0.4643
CMYK	0.50, 0.00, 0.42, 0.07
HSL	129°, 76%, 70%
HSV	129°, 50%, 93%
XYZ	42.1961, 66.0070, 34.0363
YIQ	190.3180, -38.2280, -56.1160

Conversions

Conversions Part 2

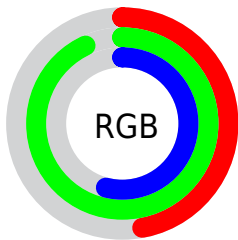
Format	Color
RYB	119, 221, 237
Decimal	7859593
CIELab	85.00, -53.92, 38.40
CIELCh	85, 66.194, 144.538
Yxy	66.0070, 0.2967, 0.4641
Android (android.graphics.Color)	4286049673 (0xFF77ED89)
YUV	190.3180, -26.2858, -62.5459
Hunter-Lab	81.2447, -49.4706, 32.0326

Details

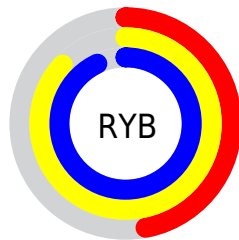
The CIELCh color **85, 66.194, 144.538** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67, 65.870, 332.063**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 42.849, 147.174**, and **65, 66.250, 144.462** is the 20% darker color. If you saturate the color by 10%, you get **84, 77.924, 143.226**, and if you desaturate by 10%, it is **86, 53.571, 145.699**.

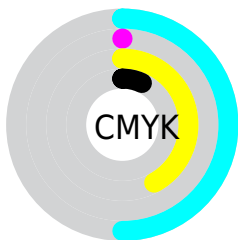
Distribution



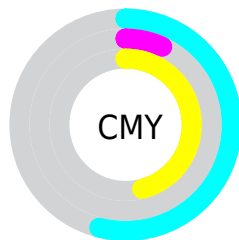
- Red (47%)
- Green (93%)
- Blue (54%)



- Red (47%)
- Yellow (87%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (42%)
- Black (7%)





- Cyan (54%)
- Magenta (7%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 66.194, 144.538 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, 66.194, 144.538 by changing the saturation by 10% instead.


 85, 66.194,
144.538


 85, 66.194,
144.538


 100, 66.194,
144.538


 75, 66.194,
144.538

 65, 66.194,
144.538

 55, 66.194,
144.538

 45, 66.194,
144.538

 35, 66.194,
144.538


 25, 66.194,
144.538


 15, 66.194,

144.538


 5, 66.194, 144.538


 0, 66.194, 144.538


 85, 66.194,
144.538


 85, 66.194,
144.538


 84, 77.924,
143.226


 86, 53.571,
145.699


 83, 88.415,
141.783


 88, 40.370,
146.707

 83, 97.322,
140.264

 90, 26.870,
147.577


 82, 104.327,
138.768


 91, 13.298,
148.332

 82, 109.250,

 94, 0.168, 326.942

137.466

 95, 11.494,
324.814

 82, 109.298,
137.454

Harmonies

Complementary

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



85, 66.194, 144.538



67, 65.870, 332.063

Rectangle

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



85, 66.194, 144.538



85, 66.194, 194.538



85, 66.194, 324.538



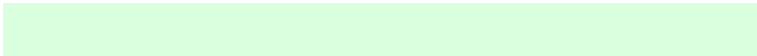
85, 66.194, 14.538

Sweetspot

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



85, 66.195, 144.538



97, 21.511, 147.954



90, 59.118, 112.408



51, 14.687, 147.792



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, 66.195, 144.538



90, 82.901, 143.175



86, 44.118, 167.093



48, 7.591, 148.362



64, 88.946, 137.690



18, 35.360, 141.098

Inverse Universe

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



67, 65.870, 332.063



67, 81.631, 332.737



65, 49.793, 359.091



46, 7.610, 329.480



41, 79.312, 335.410



9, 34.553, 334.207

Previews

White Background



This preview shows how the CIE LCh color 85, 66.194, 144.538 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, 66.194, 144.538 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, 66.194, 144.538

Background



This preview shows how black text looks on a background with the CIELCh color 85, 66.194, 144.538.

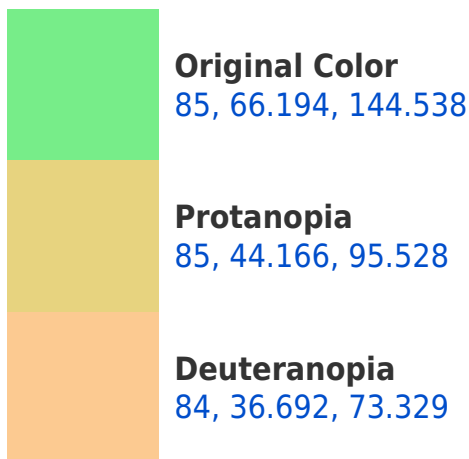


This preview shows how white text looks on a background with the CIELCh color 85, 66.194, 144.538.

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



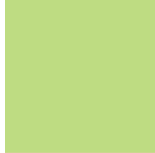


Tritanopia
85, 26.140, 219.324

Trichromacy



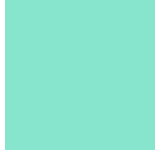
Original Color
85, 66.194, 144.538



Protanomaly
84, 47.638, 120.800



Deuteranomaly
84, 38.052, 114.144

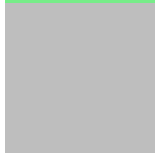


Tritanomaly
85, 34.087, 174.300

Monochromacy



Original Color
85, 66.194, 144.538



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 25.014, 147.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 66.194, 144.538 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(119, 237, 137)` looks like.

```
.text, #text, p{  
    color:rgb(119, 237, 137)  
}
```

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(119, 237, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 237, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 66.194, 144.538 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(119, 237, 137) }
```

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

```
.border{ border-color:rgb(119, 237, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 237, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 237, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 237, 137);  
box-shadow:4px 4px 4px 4px rgb(119, 237,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 66.194, 144.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 237, 137) }
```

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

```
.background{ background-color: rgb(119,  
237, 137) }
```

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