

Converting Colors

CIELCh(85, 77.939, 137.838)

Have a look what the booklet for
CIELCh(85, 77.939, 137.838)
contains.

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Color

CIELCh(85, 78.359, 137.818)

Conversions

Conversions Part 1

Format	Color
Hex	78EE6B
RGB	120, 238, 107
RGB Percent	47%, 93%, 42%
CMY	0.5306, 0.0678, 0.5814
CMYK	0.50, 0.00, 0.55, 0.07
HSL	114°, 79%, 68%
HSV	114°, 55%, 93%
XYZ	40.8337, 66.0070, 24.4243
YIQ	187.7840, -28.2770, -65.7570

Conversions

Conversions Part 2

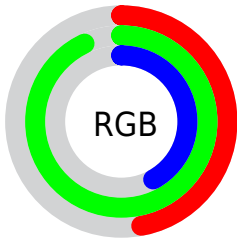
Format	Color
RYB	107, 238, 225
Decimal	7925355
CIELab	85.00, -58.07, 52.62
CIELCh	85, 78.359, 137.818
Yxy	66.0070, 0.3111, 0.5029
Android (android.graphics.Color)	4286115435 (0xFF78EE6B)
YUV	187.7840, -39.8265, -59.4466
Hunter-Lab	81.2447, -52.4640, 39.0472

Details

The CIELCh color **85, 78.359, 137.818** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **64, 78.649, 324.225**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 55.231, 136.990**, and **65, 78.535, 137.783** is the 20% darker color. If you saturate the color by 10%, you get **84, 90.175, 136.958**, and if you desaturate by 10%, it is **86, 65.203, 138.696**.

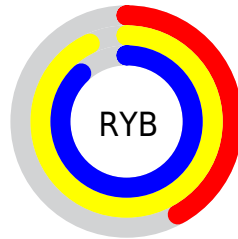
Distribution



Red (47%)

Green (93%)

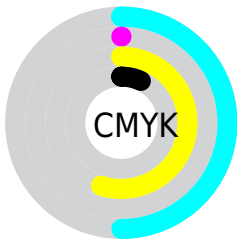
Blue (42%)



Red (42%)

Yellow (93%)

Blue (88%)

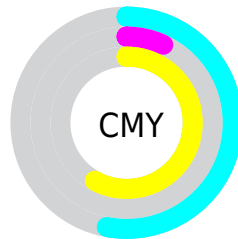


Cyan (50%)

Magenta (0%)

Yellow (55%)

Black (7%)



Cyan (53%)


Magenta (7%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 78.359, 137.818 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, 78.359, 137.818 by changing the saturation by 10% instead.


 85, 78.359,
137.818


 85, 78.359,
137.818


 100, 78.359,
137.818


 75, 78.359,
137.818

 65, 78.359,
137.818

 55, 78.359,
137.818

 45, 78.359,
137.818

 35, 78.359,
137.818

 25, 78.359,
137.818

 15, 78.359,

137.818

■ 5, 78.359, 137.818

■ 0, 78.359, 137.818

■ 85, 78.359,
137.818

■ 85, 78.359,
137.818

■ 84, 90.175,
136.958

■ 86, 65.203,
138.696

■ 83, 100.057,
136.221

■ 88, 51.193,
139.524

■ 83, 107.382,
135.745

■ 89, 36.708,
140.273

■ 83, 111.738,
135.635

■ 91, 22.037,
140.932

■ 82, 113.002,

■ 93, 7.394, 141.522

135.645

95, 7.066, 321.932

96, 10.782,
324.788

Harmonies

Complementary

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



85, 78.359, 137.818



64, 78.649, 324.225

Rectangle

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



85, 78.359, 137.818



85, 78.359, 187.818



85, 78.359, 317.818



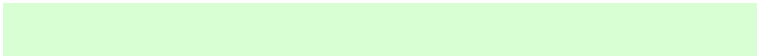
85, 78.359, 7.818

Sweetspot

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



85, 78.360, 137.819



96, 26.284, 140.810



88, 59.196, 99.904



51, 17.591, 140.680



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, 78.360, 137.819



89, 96.412, 136.864



85, 60.045, 152.846



49, 8.324, 141.268



65, 93.000, 135.557



20, 38.844, 136.246

Inverse Universe

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



64, 78.649, 324.225



64, 96.259, 324.516



63, 61.461, 343.918



47, 8.352, 322.186



40, 90.896, 324.395



9, 39.630, 324.917

Previews

White Background



This preview shows how the CIE LCh color 85, 78.359, 137.818 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, 78.359, 137.818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

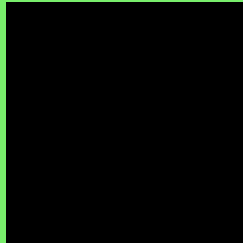
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 78.359, 137.818

Background



This preview shows how black text looks on a background with the CIELCh color 85, 78.359, 137.818.

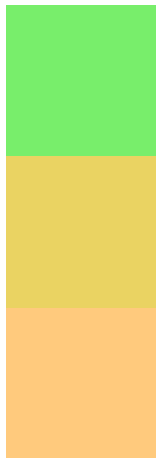


This preview shows how white text looks on a background with the CIELCh color 85, 78.359, 137.818.

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, 78.359, 137.818

Protanopia
84, 57.990, 95.423

Deuteranopia
84, 46.403, 77.778



Tritanopia
85, 24.948, 220.485

Trichromacy



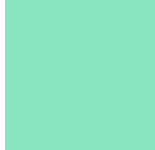
Original Color
85, 78.359, 137.818



Protanomaly
84, 61.185, 116.285



Deuteranomaly
83, 49.630, 110.148

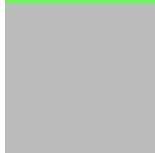


Tritanomaly
84, 36.414, 165.552

Monochromacy



Original Color
85, 78.359, 137.818



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 29.659, 140.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 78.359, 137.818 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(120, 238, 107)` looks like.

```
.text, #text, p{  
    color:rgb(120, 238, 107)  
}
```

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(120, 238, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 238, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 78.359, 137.818 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(120, 238, 107) }
```

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

```
.border{ border-color:rgb(120, 238, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 238, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 238, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 238, 107); box-shadow:4px 4px 4px 4px rgb(120, 238, 107) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 78.359, 137.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 238, 107) }
```

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

```
.background{ background-color: rgb(120,  
238, 107) }
```

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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