

Converting Colors

CIELCh(78, 85.997, 137.327)

Have a look what the booklet for
CIELCh(78, 85.997, 137.327)
contains.

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Color

CIELCh(78, 86.054, 137.301)

Conversions

Conversions Part 1

Format	Color
Hex	55DB4A
RGB	85, 219, 74
RGB Percent	33%, 86%, 29%
CMY	0.6657, 0.1403, 0.7090
CMYK	0.61, 0.00, 0.66, 0.14
HSL	115°, 67%, 58%
HSV	115°, 66%, 86%
XYZ	30.3974, 53.2120, 15.1829
YIQ	162.4040, -33.3190, -73.5030

Conversions

Conversions Part 2

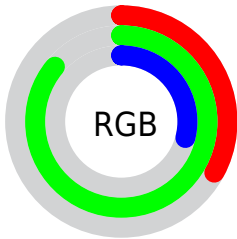
Format	Color
RYB	74, 219, 208
Decimal	5626698
CIELab	78.00, -63.24, 58.36
CIELCh	78, 86.054, 137.301
Yxy	53.2120, 0.3077, 0.5386
Android (android.graphics.Color)	4283816778 (0xFF55DB4A)
YUV	162.4040, -43.5832, -67.8833
Hunter-Lab	72.9466, -53.2741, 38.7222

Details

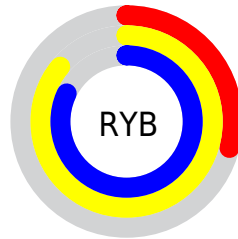
The CIELCh color **78, 86.054, 137.301** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **56, 85.622, 325.235**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 74.014, 137.111**, and **58, 84.978, 136.363** is the 20% darker color. If you saturate the color by 10%, you get **77, 95.111, 136.508**, and if you desaturate by 10%, it is **79, 75.109, 138.216**.

Distribution



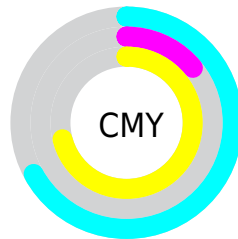
- Red (33%)
- Green (86%)
- Blue (29%)



- Red (29%)
- Yellow (86%)
- Blue (82%)



- Cyan (61%)
- Magenta (0%)
- Yellow (66%)
- Black (14%)





- Cyan (67%)
- Magenta (14%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 86.054, 137.301 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 78, 86.054, 137.301 by changing the saturation by 10% instead.


 78, 86.054,
137.301


 78, 86.054,
137.301


 100, 86.054,
137.301


 68, 86.054,
137.301


 98, 86.054,
137.301

 58, 86.054,
137.301

 48, 86.054,
137.301

 38, 86.054,
137.301

 28, 86.054,
137.301

 18, 86.054,
137.301

 8, 86.054, 137.301

■ 0, 86.054, 137.301

■ 78, 86.054,
137.301

■ 78, 86.054,
137.301

■ 77, 95.111,
136.508

■ 79, 75.109,
138.216

■ 77, 101.709,
135.971

■ 80, 62.834,
139.142

■ 77, 105.504,
135.793

■ 81, 49.698,
140.012

■ 77, 106.448,
135.741

■ 83, 36.073,
140.795

■ 84, 22.242,
141.484

■ 86, 8.418, 142.092

■ 88, 5.243, 322.516

■ 91, 18.636,
322.978

■ 91, 22.406,
325.204

Harmonies

Complementary

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



78, 86.054, 137.301



56, 85.622, 325.235

Rectangle

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



78, 86.054, 137.301



78, 86.054, 187.301



78, 86.054, 317.301



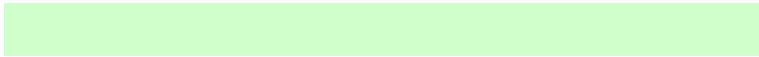
78, 86.054, 7.301

Sweetspot

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



78, 86.054, 137.302



96, 31.177, 141.218



82, 65.782, 99.781



50, 21.279, 141.022



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 86.054, 137.302



88, 109.566, 136.282



78, 64.867, 151.866



45, 7.794, 141.898



62, 89.274, 135.668



15, 33.014, 138.793

Inverse Universe

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



56, 85.622, 325.235



60, 107.948, 325.421



55, 65.928, 346.491



43, 7.816, 322.832



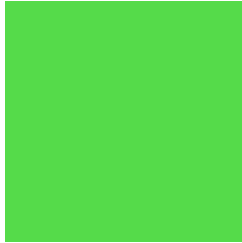
39, 86.944, 325.277



6, 34.262, 325.550

Previews

White Background



This preview shows how the CIELCh color 78, 86.054, 137.301 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 78, 86.054, 137.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

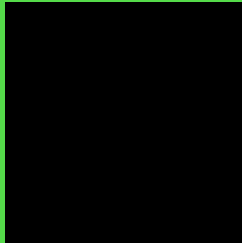
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 86.054, 137.301

Background



This preview shows how black text looks on a background with the CIELCh color 78, 86.054, 137.301.

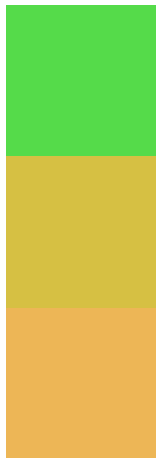


This preview shows how white text looks on a background with the CIELCh color 78, 86.054, 137.301.

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

78, 86.054, 137.301

Protanopia

78, 63.262, 95.493

Deuteranopia

77, 56.198, 79.761



Tritanopia
78, 27.164, 217.472

Trichromacy



Original Color
78, 86.054, 137.301



Protanomaly
77, 66.964, 116.949



Deuteranomaly
76, 58.088, 110.690



Tritanomaly
77, 41.515, 163.634

Monochromacy



Original Color
78, 86.054, 137.301



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 33.830, 140.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 86.054, 137.301 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(85, 219, 74)` looks like.

```
.text, #text, p{  
    color:rgb(85, 219, 74)  
}
```

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(85, 219, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 219, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 86.054, 137.301 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(85, 219, 74) }
```

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

```
.border{ border-color:rgb(85, 219, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 219, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 219, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 219, 74);  
box-shadow:4px 4px 4px 4px rgb(85, 219,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 86.054, 137.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 219, 74) }
```

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

```
.background{ background-color: rgb(85, 219,  
74) }
```

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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