

Converting Colors

CIELCh(82, 71.309, 136.920)

Have a look what the booklet for
CIELCh(82, 71.309, 136.920)
contains.

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Color

CIELCh(82, 71.314, 137.087)

Conversions

Conversions Part 1

Format	Color
Hex	7DE36C
RGB	125, 227, 108
RGB Percent	49%, 89%, 42%
CMY	0.5103, 0.1103, 0.5769
CMYK	0.45, 0.00, 0.52, 0.11
HSL	111°, 68%, 66%
HSV	111°, 52%, 89%
XYZ	38.5729, 60.2982, 23.7599
YIQ	182.9360, -22.5930, -58.6330

Conversions

Conversions Part 2

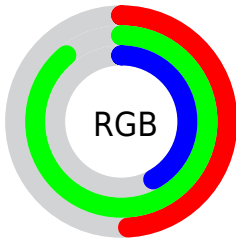
Format	Color
RYB	108, 227, 210
Decimal	8250220
CIELab	82.00, -52.23, 48.56
CIElCh	82, 71.314, 137.087
Yxy	60.2982, 0.3145, 0.4917
Android (android.graphics.Color)	4286440300 (0xFF7DE36C)
YUV	182.9360, -36.9434, -50.8099
Hunter-Lab	77.6519, -47.2226, 36.2148

Details

The CIELCh color **82, 71.314, 137.087** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **62, 72.078, 322.782**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 54.077, 136.073**, and **62, 71.305, 137.114** is the 20% darker color. If you saturate the color by 10%, you get **81, 83.062, 136.321**, and if you desaturate by 10%, it is **83, 58.488, 137.870**.

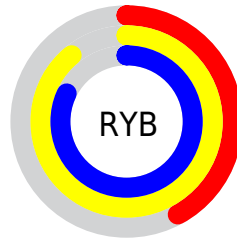
Distribution



Red (49%)

Green (89%)

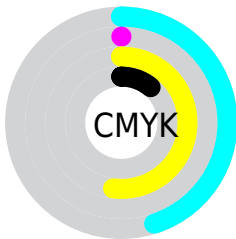
Blue (42%)



Red (42%)

Yellow (89%)

Blue (82%)

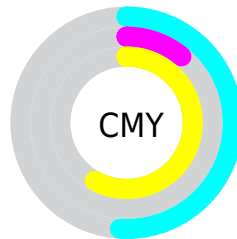


Cyan (45%)

Magenta (0%)

Yellow (52%)

Black (11%)



Cyan (51%)


Magenta (11%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 71.314, 137.087 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 82, 71.314, 137.087 by changing the saturation by 10% instead.


 82, 71.314,
137.087


 82, 71.314,
137.087


 100, 71.314,
137.087


 72, 71.314,
137.087

 62, 71.314,
137.087

 52, 71.314,
137.087

 42, 71.314,
137.087

 32, 71.314,
137.087

 22, 71.314,
137.087

 12, 71.314,

137.087

■ 2, 71.314, 137.087

■ 0, 71.314, 137.087

■ 82, 71.314,
137.087

■ 82, 71.314,
137.087

■ 81, 83.062,
136.321

■ 83, 58.488,
137.870

■ 80, 93.197,
135.665

■ 85, 44.999,
138.611

■ 80, 101.121,
135.250

■ 86, 31.167,
139.284

■ 79, 106.337,
135.195

■ 88, 17.229,
139.881

■ 79, 108.629,

■ 90, 3.360, 140.453

135.330

92, 10.317,
320.797

93, 17.584,
325.034

Harmonies

Complementary

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



82, 71.314, 137.087



62, 72.078, 322.782

Rectangle

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



82, 71.314, 137.087



82, 71.314, 187.087



82, 71.314, 317.087



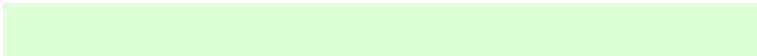
82, 71.314, 7.087

Sweetspot

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



82, 71.315, 137.088



97, 24.386, 139.671



83, 52.246, 97.294



51, 16.475, 139.548



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 71.315, 137.088



90, 91.881, 136.251



82, 57.654, 151.147



46, 7.776, 140.048



63, 89.688, 135.210



16, 33.997, 136.896

Inverse Universe

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



62, 72.078, 322.782



64, 92.590, 323.073



62, 58.474, 340.906



44, 7.809, 320.915



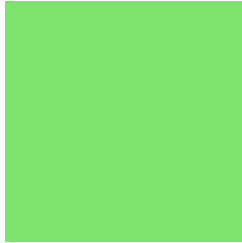
37, 88.478, 322.780



6, 35.650, 323.387

Previews

White Background



This preview shows how the CIELCh color 82, 71.314, 137.087 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 82, 71.314, 137.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

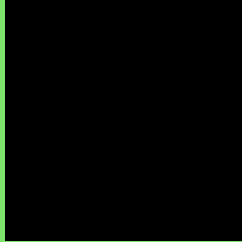
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 71.314, 137.087

Background



This preview shows how black text looks on a background with the CIELCh color 82, 71.314, 137.087.

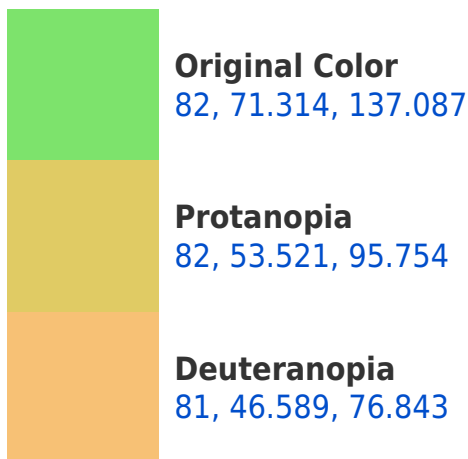


This preview shows how white text looks on a background with the CIELCh color 82, 71.314, 137.087.

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
82, 22.388, 222.027

Trichromacy



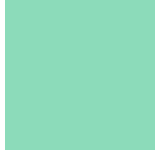
Original Color
82, 71.314, 137.087



Protanomaly
81, 56.135, 115.486



Deuteranomaly
81, 46.903, 106.964

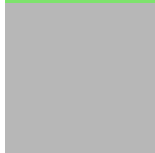


Tritanomaly
82, 32.638, 164.714

Monochromacy



Original Color
82, 71.314, 137.087



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 26.994, 139.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 71.314, 137.087 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(125, 227, 108)` looks like.

```
.text, #text, p{  
    color:rgb(125, 227, 108)  
}
```

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(125, 227, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 227, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 71.314, 137.087 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(125, 227, 108) }
```

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

```
.border{ border-color:rgb(125, 227, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 227, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 227, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 227, 108);  
box-shadow:4px 4px 4px 4px rgb(125, 227,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 71.314, 137.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 227, 108) }
```

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

```
.background{ background-color: rgb(125,  
227, 108) }
```

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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