

Converting Colors

CIELCh(82, 70.476, 137.324)

Have a look what the booklet for
CIELCh(82, 70.476, 137.324)
contains.

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Color

CIELCh(82, 70.518, 137.493)

Conversions

Conversions Part 1

Format	Color
Hex	7DE36E
RGB	125, 227, 110
RGB Percent	49%, 89%, 43%
CMY	0.5106, 0.1106, 0.5693
CMYK	0.45, 0.00, 0.52, 0.11
HSL	112°, 67%, 66%
HSV	112°, 52%, 89%
XYZ	38.6492, 60.2982, 24.3021
YIQ	183.1640, -23.2350, -58.0110

Conversions

Conversions Part 2

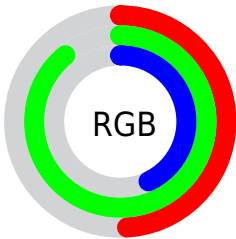
Format	Color
RYB	110, 227, 212
Decimal	8250222
CIELab	82.00, -51.99, 47.65
CIELCh	82, 70.518, 137.493
Yxy	60.2982, 0.3136, 0.4892
Android (android.graphics.Color)	4286440302 (0xFF7DE36E)
YUV	183.1640, -36.0699, -51.0098
Hunter-Lab	77.6519, -47.0471, 35.8008

Details

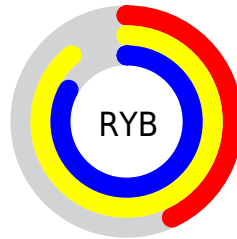
The CIELCh color **82, 70.518, 137.493** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **62, 71.133, 323.207**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 53.216, 136.597**, and **62, 70.599, 137.498** is the 20% darker color. If you saturate the color by 10%, you get **81, 82.396, 136.688**, and if you desaturate by 10%, it is **83, 57.582, 138.301**.

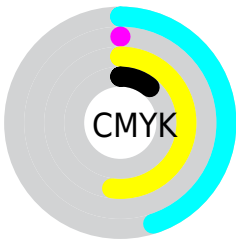
Distribution



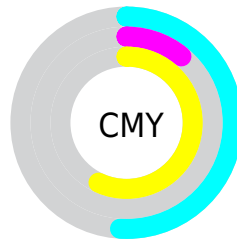
- Red (49%)
- Green (89%)
- Blue (43%)



- Red (43%)
- Yellow (89%)
- Blue (83%)



- Cyan (45%)
- Magenta (0%)
- Yellow (52%)
- Black (11%)




- Cyan (51%)
- Magenta (11%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 70.518, 137.493 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, 70.518, 137.493 by changing the saturation by 10% instead.


 82, 70.518,
137.493

 82, 70.518,
137.493

 100, 70.518,
137.493

 72, 70.518,
137.493

 62, 70.518,
137.493

 52, 70.518,
137.493

 42, 70.518,
137.493

 32, 70.518,
137.493

 22, 70.518,
137.493

 12, 70.518,

137.493

■ 2, 70.518, 137.493

■ 0, 70.518, 137.493

■ 82, 70.518,
137.493

■ 82, 70.518,
137.493

■ 81, 82.396,
136.688

■ 83, 57.582,
138.301

■ 80, 92.688,
135.977

■ 85, 44.000,
139.057

■ 80, 100.794,
135.488

■ 86, 30.090,
139.739

■ 79, 106.199,
135.345

■ 88, 16.090,
140.343

■ 79, 108.769,

■ 90, 2.172, 140.957

135.442

■ 92, 11.541,
321.262

■ 93, 17.626,
325.036

Harmonies

Complementary

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



82, 70.518, 137.493



62, 71.133, 323.207

Rectangle

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



82, 70.518, 137.493



82, 70.518, 187.493



82, 70.518, 317.493



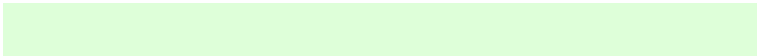
82, 70.518, 7.493

Sweetspot

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



82, 70.519, 137.494



97, 22.959, 140.139



84, 52.149, 98.389



51, 15.676, 140.012



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, 70.519, 137.494



90, 91.025, 136.625



82, 56.004, 151.953



46, 7.812, 140.463



63, 89.835, 135.332



16, 34.119, 137.163

Inverse Universe

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



62, 71.133, 323.207



64, 91.525, 323.513



62, 57.014, 341.668



44, 7.843, 321.344



38, 88.330, 323.321



6, 35.702, 323.894

Previews

White Background



This preview shows how the CIELCh color 82, 70.518, 137.493 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, 70.518, 137.493 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, 70.518, 137.493

Background



This preview shows how black text looks on a background with the CIELCh color 82, 70.518, 137.493.

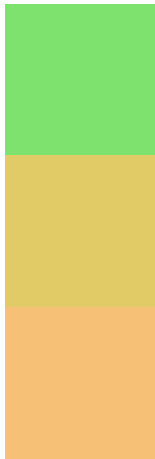


This preview shows how white text looks on a background with the CIELCh color 82, 70.518, 137.493.

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
82, 70.518, 137.493

Protanopia
82, 52.598, 95.683

Deuteranopia
81, 45.904, 77.054



Tritanopia
82, 22.388, 222.027

Trichromacy



Original Color
82, 70.518, 137.493



Protanomaly
81, 55.229, 115.717



Deuteranomaly
80, 46.428, 107.529

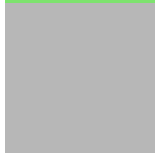


Tritanomaly
82, 32.309, 165.466

Monochromacy



Original Color
82, 70.518, 137.493



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, 70.518, 137.493 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(125, 227, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 227, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 70.518, 137.493 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, 110) }
```

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

```
.border{ border-color:rgb(125, 227, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 227, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 227, 110);  
box-shadow:4px 4px 4px 4px rgb(125, 227,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 70.518, 137.493 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, 110) }
```

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

```
.background{ background-color: rgb(125,  
227, 110) }
```

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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