

Converting Colors

CIELCh(82, 72.521, 140.615)

Have a look what the booklet for
CIELCh(82, 72.521, 140.615)
contains.

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Color

CIELCh(82, 72.272, 140.608)

Conversions

Conversions Part 1

Format	Color
Hex	6FE471
RGB	111, 228, 113
RGB Percent	44%, 89%, 44%
CMY	0.5632, 0.1044, 0.5555
CMYK	0.51, 0.00, 0.50, 0.10
HSL	121°, 69%, 67%
HSV	121°, 51%, 90%
XYZ	37.4511, 60.2982, 25.3890
YIQ	179.9070, -32.8170, -60.5690

Conversions

Conversions Part 2

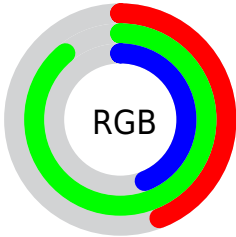
Format	Color
RYB	111, 226, 228
Decimal	7332977
CIELab	82.00, -55.85, 45.87
CIElCh	82, 72.272, 140.608
Yxy	60.2982, 0.3041, 0.4897
Android (android.graphics.Color)	4285523057 (0xFF6FE471)
YUV	179.9070, -32.9852, -60.4314
Hunter-Lab	77.6519, -49.8012, 34.9710

Details

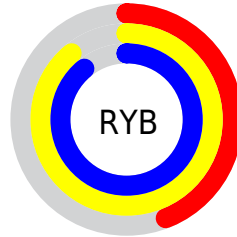
The CIELCh color **82, 72.272, 140.608** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **65, 71.801, 327.594**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 54.393, 141.123**, and **62, 72.624, 140.595** is the 20% darker color. If you saturate the color by 10%, you get **81, 84.270, 139.444**, and if you desaturate by 10%, it is **83, 59.056, 141.693**.

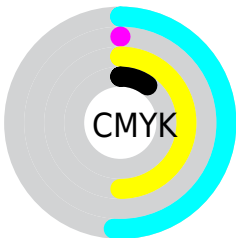
Distribution



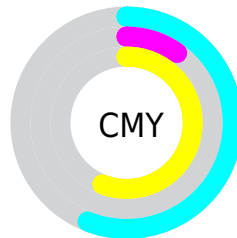
- Red (44%)
- Green (89%)
- Blue (44%)



- Red (44%)
- Yellow (89%)
- Blue (89%)



- Cyan (51%)
- Magenta (0%)
- Yellow (50%)
- Black (10%)



- Cyan (56%)
- Magenta (10%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 72.272, 140.608 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, 72.272, 140.608 by changing the saturation by 10% instead.

 82, 72.272,
140.608

 82, 72.272,
140.608

 100, 72.272,
140.608

 72, 72.272,
140.608

 62, 72.272,
140.608

 52, 72.272,
140.608

 42, 72.272,
140.608

 32, 72.272,
140.608

 22, 72.272,
140.608

 12, 72.272,

140.608

■ 2, 72.272, 140.608

■ 0, 72.272, 140.608

■ 82, 72.272,
140.608

■ 82, 72.272,
140.608

■ 81, 84.270,
139.444

■ 83, 59.056,
141.693

■ 80, 94.522,
138.280

■ 85, 45.069,
142.661

■ 80, 102.462,
137.243

■ 86, 30.676,
143.503

■ 80, 107.624,
136.479

■ 88, 16.163,
144.229

■ 79, 109.919,

■ 90, 1.745, 144.986

136.120

93, 12.427,
325.312

94, 16.638,
325.001

Harmonies

Complementary

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



82, 72.272, 140.608



65, 71.801, 327.594

Rectangle

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



82, 72.272, 140.608



82, 72.272, 190.608



82, 72.272, 320.608



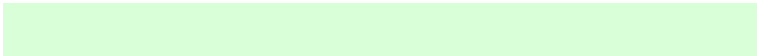
82, 72.272, 10.608

Sweetspot

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



82, 72.273, 140.608



97, 23.663, 143.961



88, 58.404, 106.111



51, 16.157, 143.808



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, 72.273, 140.608



89, 91.771, 139.427



83, 49.296, 159.039



47, 8.200, 144.348



63, 91.334, 136.158



17, 36.454, 139.112

Inverse Universe

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



65, 71.801, 327.594



68, 90.577, 328.018



62, 52.379, 350.291



45, 8.212, 325.391



42, 87.281, 328.906



8, 36.700, 328.800

Previews

White Background



This preview shows how the CIELCh color 82, 72.272, 140.608 looks on a white background.

Color Contrast Check

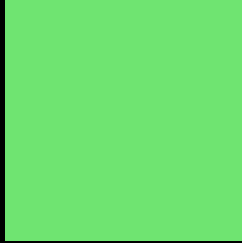
Large Text (above 18pt) WCAG AA × Fail

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, 72.272, 140.608 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, 72.272, 140.608

Background



This preview shows how black text looks on a background with the CIELCh color 82, 72.272, 140.608.

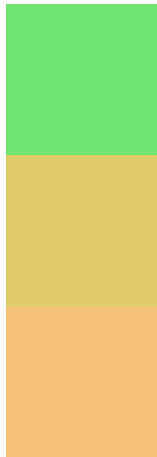


This preview shows how white text looks on a background with the CIELCh color 82, 72.272, 140.608.

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, 72.272, 140.608

Protanopia
82, 51.119, 96.037

Deuteranopia
81, 43.859, 76.516



Tritanopia
82, 25.203, 220.366

Trichromacy



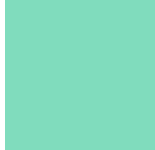
Original Color
82, 72.272, 140.608



Protanomaly
81, 54.397, 118.550



Deuteranomaly
80, 45.123, 111.374

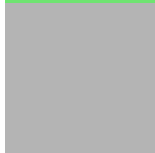


Tritanomaly
82, 35.212, 169.060

Monochromacy



Original Color
82, 72.272, 140.608



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 27.825, 143.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 72.272, 140.608 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(111, 228, 113)` looks like.

```
.text, #text, p{  
    color:rgb(111, 228, 113)  
}
```

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(111, 228, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 228, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 72.272, 140.608 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(111, 228, 113) }
```

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

```
.border{ border-color:rgb(111, 228, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 228, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 228, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 228, 113); box-shadow:4px 4px 4px 4px rgb(111, 228, 113) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 72.272, 140.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 228, 113) }
```

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

```
.background{ background-color: rgb(111,  
228, 113) }
```

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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