

Converting Colors

CIELCh(82, 76.334, 136.493)

Have a look what the booklet for
CIELCh(82, 76.334, 136.493)
contains.

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Color

CIELCh(82, 76.367, 136.488)

Conversions

Conversions Part 1

Format	Color
Hex	77E463
RGB	119, 228, 99
RGB Percent	47%, 89%, 39%
CMY	0.5334, 0.1059, 0.6118
CMYK	0.48, 0.00, 0.57, 0.11
HSL	111°, 70%, 64%
HSV	111°, 57%, 89%
XYZ	37.5953, 60.2982, 21.4574
YIQ	180.7030, -23.5550, -63.2270

Conversions

Conversions Part 2

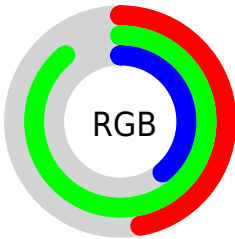
Format	Color
RYB	99, 228, 208
Decimal	7857251
CIELab	82.00, -55.38, 52.58
CIELCh	82, 76.367, 136.488
Yxy	60.2982, 0.3150, 0.5052
Android (android.graphics.Color)	4286047331 (0xFF77E463)
YUV	180.7030, -40.2796, -54.1135
Hunter-Lab	77.6519, -49.4698, 37.9729

Details

The CIELCh color **82, 76.367, 136.488** is a light color, and the websafe version is hex **66CC33**. A complement of this color would be **60, 77.280, 322.527**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 58.825, 135.309**, and **62, 76.632, 136.479** is the 20% darker color. If you saturate the color by 10%, you get **81, 87.552, 135.784**, and if you desaturate by 10%, it is **83, 63.909, 137.249**.

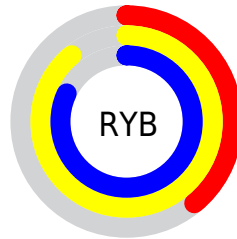
Distribution



Red (47%)

Green (89%)

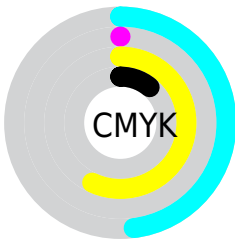
Blue (39%)



Red (39%)

Yellow (89%)

Blue (82%)

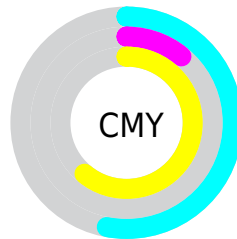


Cyan (48%)

Magenta (0%)

Yellow (57%)

Black (11%)



Cyan (53%)

Magenta (11%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 76.367, 136.488 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, 76.367, 136.488 by changing the saturation by 10% instead.

 82, 76.367,
136.488

 82, 76.367,
136.488

 100, 76.367,
136.488

 72, 76.367,
136.488

 62, 76.367,
136.488

 52, 76.367,
136.488

 42, 76.367,
136.488

 32, 76.367,
136.488

 22, 76.367,
136.488

 12, 76.367,

136.488

■ 2, 76.367, 136.488

■ 0, 76.367, 136.488

■ 82, 76.367,
136.488

■ 82, 76.367,
136.488

■ 81, 87.552,
135.784

■ 83, 63.909,
137.249

■ 80, 96.891,
135.248

■ 84, 50.639,
137.993

■ 80, 103.793,
135.014

■ 86, 36.912,
138.682

■ 80, 107.908,
135.164

■ 87, 22.994,
139.299

■ 80, 108.882,

■ 89, 9.078, 139.852

135.229

■ 91, 4.694, 320.238

■ 93, 16.663,
323.824

■ 93, 16.885,
325.009

Harmonies

Complementary

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



82, 76.367, 136.488



60, 77.280, 322.527

Rectangle

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



82, 76.367, 136.488



82, 76.367, 186.488



82, 76.367, 316.488



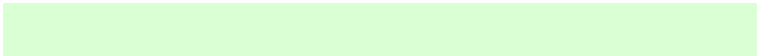
82, 76.367, 6.488

Sweetspot

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



82, 76.368, 136.489



96, 25.818, 139.269



83, 55.518, 95.772



51, 17.279, 139.149



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, 76.368, 136.489



90, 97.325, 135.669



82, 62.806, 149.887



47, 7.891, 139.698



64, 90.525, 135.107



18, 35.430, 136.156

Inverse Universe

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



60, 77.280, 322.527



61, 98.091, 322.767



61, 63.285, 340.519



45, 7.927, 320.555



37, 89.561, 322.327



7, 37.192, 323.085

Previews

White Background



This preview shows how the CIELCh color 82, 76.367, 136.488 looks on a white background.

Color Contrast Check

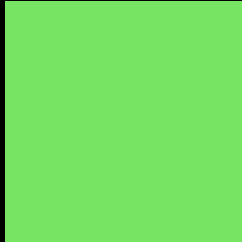
Large Text (above 18pt) WCAG AA × Fail

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, 76.367, 136.488 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, 76.367, 136.488

Background



This preview shows how black text looks on a background with the CIELCh color 82, 76.367, 136.488.

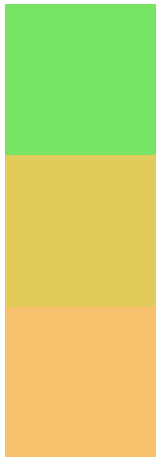


This preview shows how white text looks on a background with the CIELCh color 82, 76.367, 136.488.

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, 76.367, 136.488

Protanopia
82, 57.662, 95.585

Deuteranopia
81, 50.414, 78.130



Tritanopia
82, 23.136, 221.165

Trichromacy



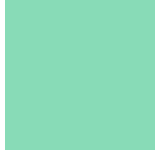
Original Color
82, 76.367, 136.488



Protanomaly
81, 60.277, 115.284



Deuteranomaly
81, 51.676, 107.858

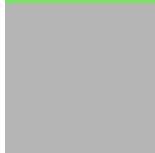


Tritanomaly
81, 34.641, 163.560

Monochromacy



Original Color
82, 76.367, 136.488



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 29.451, 139.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 76.367, 136.488 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(119, 228, 99)` looks like.

```
.text, #text, p{  
    color:rgb(119, 228, 99)  
}
```

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(119, 228, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 228, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 76.367, 136.488 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(119, 228, 99) }
```

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

```
.border{ border-color:rgb(119, 228, 99) }
```

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

Here you see how a box with a 4 pixel rgb(119, 228, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 228, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 228, 99);  
box-shadow:4px 4px 4px 4px rgb(119, 228,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 76.367, 136.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 228, 99) }
```

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

```
.background{ background-color: rgb(119,  
228, 99) }
```

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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