

Converting Colors

CIELCh(82, 76.649, 127.462)

Have a look what the booklet for
CIELCh(82, 76.649, 127.462)
contains.

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Color

CIELCh(82, 76.317, 127.437)

Conversions

Conversions Part 1

Format	Color
Hex	94E051
RGB	148, 224, 81
RGB Percent	58%, 88%, 32%
CMY	0.4190, 0.1210, 0.6818
CMYK	0.34, 0.00, 0.64, 0.12
HSL	92°, 70%, 60%
HSV	92°, 64%, 88%
XYZ	40.4265, 60.2982, 17.3211
YIQ	184.9740, 0.6070, -60.5850

Conversions

Conversions Part 2

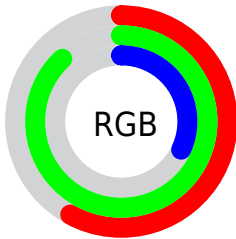
Format	Color
RYB	81, 224, 157
Decimal	9756753
CIELab	82.00, -46.39, 60.60
CIELCh	82, 76.317, 127.437
Yxy	60.2982, 0.3425, 0.5108
Android (android.graphics.Color)	4287946833 (0xFF94E051)
YUV	184.9740, -51.2592, -32.4262
Hunter-Lab	77.6519, -42.9615, 41.1311

Details

The CIELCh color **82, 76.317, 127.437** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **50, 83.342, 313.151**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 61.898, 123.606**, and **62, 76.300, 127.405** is the 20% darker color. If you saturate the color by 10%, you get **81, 85.588, 127.406**, and if you desaturate by 10%, it is **83, 65.688, 127.712**.

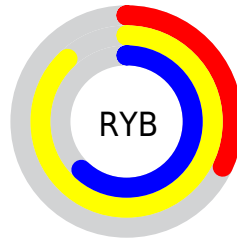
Distribution



Red (58%)

Green (88%)

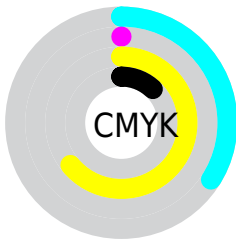
Blue (32%)



Red (32%)

Yellow (88%)

Blue (62%)

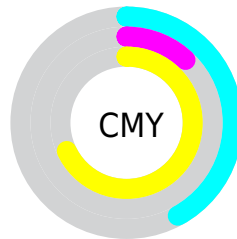


Cyan (34%)

Magenta (0%)

Yellow (64%)

Black (12%)



Cyan (42%)

Magenta (12%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 76.317, 127.437 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, 76.317, 127.437 by changing the saturation by 10% instead.

■ 82, 76.317,
127.437

■ 82, 76.317,
127.437

■ 100, 76.317,
127.437

■ 72, 76.317,
127.437

■ 62, 76.317,
127.437

■ 52, 76.317,
127.437

■ 42, 76.317,
127.437

■ 32, 76.317,
127.437

■ 22, 76.317,
127.437

■ 12, 76.317,

127.437

■ 2, 76.317, 127.437

■ 0, 76.317, 127.437

■ 82, 76.317,
127.437

■ 82, 76.317,
127.437

■ 81, 85.588,
127.406

■ 83, 65.688,
127.712

■ 81, 92.956,
127.746

■ 84, 54.168,
128.122

■ 80, 98.000,
128.567

■ 85, 42.104,
128.594

■ 80, 100.168,
129.250

■ 86, 29.739,
129.083

■ 87, 17.241,

129.561

■ 89, 4.728, 130.029

■ 90, 7.718, 310.394

■ 92, 17.403,
313.839

■ 93, 19.295,
325.095

Harmonies

Complementary

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



82, 76.317, 127.437



50, 83.342, 313.151

Rectangle

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



82, 76.317, 127.437



82, 76.317, 177.437



82, 76.317, 307.437



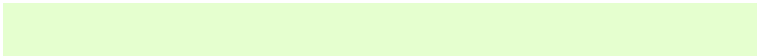
82, 76.317, 357.437

Sweetspot

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



82, 76.318, 127.438



97, 26.369, 129.308



69, 51.755, 68.887



51, 18.146, 129.169



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, 76.318, 127.438



91, 97.672, 127.483



79, 85.808, 139.147



47, 7.095, 129.763



64, 83.369, 128.989



17, 31.119, 129.030

Inverse Universe

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



50, 83.342, 313.151



50, 108.485, 313.395



59, 84.532, 328.104



44, 7.186, 310.561



28, 93.796, 312.677



4, 33.701, 311.500

Previews

White Background



This preview shows how the CIELCh color 82, 76.317, 127.437 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, 76.317, 127.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

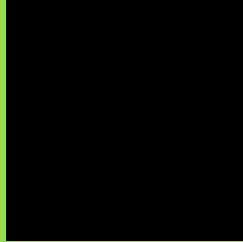
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 76.317, 127.437

Background



This preview shows how black text looks on a background with the CIELCh color 82, 76.317, 127.437.

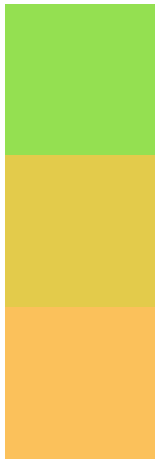


This preview shows how white text looks on a background with the CIELCh color 82, 76.317, 127.437.

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, 76.317, 127.437

Protanopia
82, 64.570, 95.125

Deuteranopia
82, 58.950, 79.876



Tritanopia
82, 16.028, 233.032

Trichromacy



Original Color
82, 76.317, 127.437



Protanomaly
81, 66.191, 109.147



Deuteranomaly
81, 59.127, 100.688



Tritanomaly
81, 29.461, 150.112

Monochromacy



Original Color
82, 76.317, 127.437



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 29.540, 128.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 76.317, 127.437 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(148, 224, 81)` looks like.

```
.text, #text, p{  
    color:rgb(148, 224, 81)  
}
```

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(148, 224, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 224, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 76.317, 127.437 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(148, 224, 81) }
```

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

```
.border{ border-color:rgb(148, 224, 81) }
```

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

Here you see how a box with a 4 pixel rgb(148, 224, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 224, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 224, 81);  
box-shadow:4px 4px 4px 4px rgb(148, 224,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 76.317, 127.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 224, 81) }
```

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

```
.background{ background-color: rgb(148,  
224, 81) }
```

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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