

Converting Colors

CIELCh(82, 82.515, 132.552)

Have a look what the booklet for
CIELCh(82, 82.515, 132.552)
contains.

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Color

CIELCh(82, 82.507, 132.561)

Conversions

Conversions Part 1

Format	Color
Hex	7CE450
RGB	124, 228, 80
RGB Percent	49%, 89%, 31%
CMY	0.5141, 0.1062, 0.6866
CMYK	0.46, 0.00, 0.65, 0.11
HSL	102°, 73%, 60%
HSV	102°, 65%, 89%
XYZ	37.4658, 60.2982, 17.2379
YIQ	180.0320, -14.4760, -68.0760

Conversions

Conversions Part 2

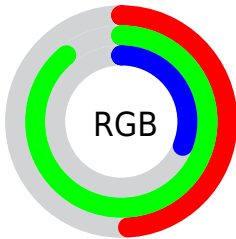
Format	Color
RYB	80, 228, 184
Decimal	8184912
CIELab	82.00, -55.81, 60.77
CIELCh	82, 82.507, 132.561
Yxy	60.2982, 0.3258, 0.5243
Android (android.graphics.Color)	4286374992 (0xFF7CE450)
YUV	180.0320, -49.3158, -49.1401
Hunter-Lab	77.6519, -49.7675, 41.1946

Details

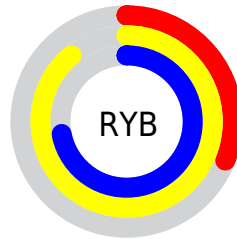
The CIELCh color **82, 82.507, 132.561** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **53, 86.034, 318.287**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 65.634, 130.257**, and **62, 82.661, 132.669** is the 20% darker color. If you saturate the color by 10%, you get **81, 92.123, 132.335**, and if you desaturate by 10%, it is **83, 71.341, 132.999**.

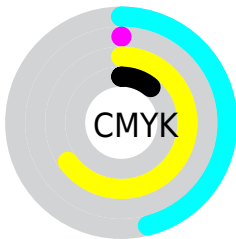
Distribution



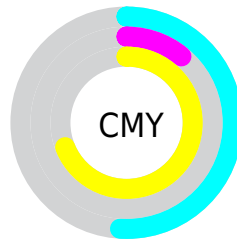
- Red (49%)
- Green (89%)
- Blue (31%)



- Red (31%)
- Yellow (89%)
- Blue (72%)



- Cyan (46%)
- Magenta (0%)
- Yellow (65%)
- Black (11%)





- Cyan (51%)
- Magenta (11%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 82.507, 132.561 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, 82.507, 132.561 by changing the saturation by 10% instead.


 82, 82.507,
132.561


 82, 82.507,
132.561


 100, 82.507,
132.561


 72, 82.507,
132.561

 62, 82.507,
132.561

 52, 82.507,
132.561

 42, 82.507,
132.561

 32, 82.507,
132.561

 22, 82.507,
132.561

 12, 82.507,

132.561

■ 2, 82.507, 132.561

■ 0, 82.507, 132.561

■ 82, 82.507,
132.561

■ 82, 82.507,
132.561

■ 81, 92.123,
132.335

■ 83, 71.341,
132.999

■ 81, 99.610,
132.449

■ 84, 59.141,
133.537

■ 80, 104.546,
133.001

■ 85, 46.307,
134.102

■ 80, 106.281,
133.370


■ 87, 33.129,
134.652


■ 88, 19.815,

135.165

 90, 6.514, 135.644

 91, 6.669, 315.991

 93, 16.377,
321.964

 93, 16.926,
325.011

Harmonies

Complementary

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



82, 82.507, 132.561



53, 86.034, 318.287

Rectangle

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



82, 82.507, 132.561



82, 82.507, 182.561



82, 82.507, 312.561



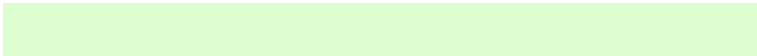
82, 82.507, 2.561

Sweetspot

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



82, 82.508, 132.562



97, 27.641, 134.955



77, 57.356, 84.996



51, 19.030, 134.807



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, 82.508, 132.562



90, 103.472, 132.329



81, 78.322, 143.947



47, 7.562, 135.428



64, 88.307, 133.169



18, 34.259, 133.414

Inverse Universe

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



53, 86.034, 318.287



54, 107.992, 318.299



58, 76.717, 335.011



45, 7.623, 316.202



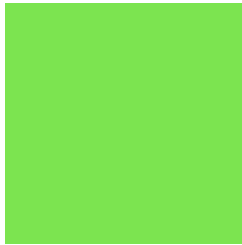
33, 91.568, 317.474



6, 36.754, 318.219

Previews

White Background



This preview shows how the CIELCh color 82, 82.507, 132.561 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, 82.507, 132.561 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, 82.507, 132.561

Background



This preview shows how black text looks on a background with the CIELCh color 82, 82.507, 132.561.

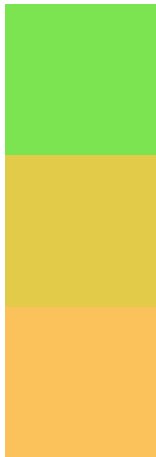


This preview shows how white text looks on a background with the CIELCh color 82, 82.507, 132.561.

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](#).

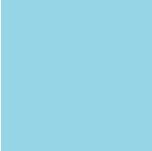
Dichromacy



Original Color
82, 82.507, 132.561

Protanopia
81, 65.283, 95.536

Deuteranopia
82, 58.950, 79.876

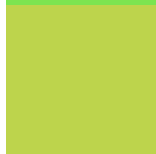


Tritanopia
82, 21.638, 222.973

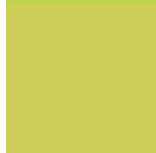
Trichromacy



Original Color
82, 82.507, 132.561



Protanomaly
81, 67.496, 112.573



Deuteranomaly
81, 59.769, 105.218



Tritanomaly
81, 35.693, 157.353

Monochromacy



Original Color
82, 82.507, 132.561



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 31.706, 134.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 82.507, 132.561 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(124, 228, 80)` looks like.

```
.text, #text, p{  
    color:rgb(124, 228, 80)  
}
```

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(124, 228, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 228, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 82.507, 132.561 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(124, 228, 80) }
```

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

```
.border{ border-color:rgb(124, 228, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 228, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 228, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 228, 80);  
box-shadow:4px 4px 4px 4px rgb(124, 228,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 82.507, 132.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 228, 80) }
```

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

```
.background{ background-color: rgb(124,  
228, 80) }
```

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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