

Converting Colors

CIELCh(82, 90.414, 128.596)

Have a look what the booklet for
CIELCh(82, 90.414, 128.596)
contains.

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Color

CIELCh(82, 90.507, 128.645)

Conversions

Conversions Part 1

Format	Color
Hex	80E434
RGB	128, 228, 52
RGB Percent	50%, 89%, 20%
CMY	0.4982, 0.1060, 0.7962
CMYK	0.44, 0.00, 0.77, 0.11
HSL	94°, 76%, 55%
HSV	94°, 77%, 89%
XYZ	37.2469, 60.2982, 12.9188
YIQ	178.0360, -3.1040, -75.9360

Conversions

Conversions Part 2

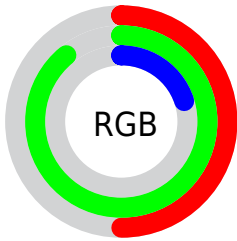
Format	Color
RYB	52, 228, 152
Decimal	8447028
CIELab	82.00, -56.52, 70.69
CIELCh	82, 90.507, 128.645
Yxy	60.2982, 0.3372, 0.5459
Android (android.graphics.Color)	4286637108 (0xFF80E434)
YUV	178.0360, -62.1357, -43.8816
Hunter-Lab	77.6519, -50.2707, 44.4923

Details

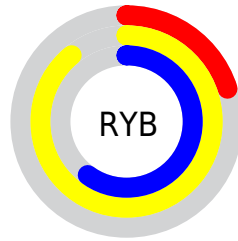
The CIELCh color **82, 90.507, 128.645** is a dark color, and the websafe version is hex **66CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **45, 99.097, 314.396**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 74.362, 125.392**, and **62, 84.035, 131.294** is the 20% darker color. If you saturate the color by 10%, you get **81, 97.279, 129.106**, and if you desaturate by 10%, it is **83, 81.608, 128.597**.

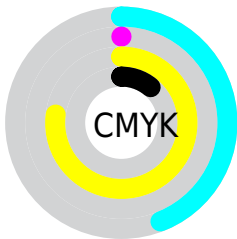
Distribution



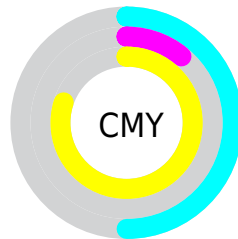
- Red (50%)
- Green (89%)
- Blue (20%)



- Red (20%)
- Yellow (89%)
- Blue (60%)



- Cyan (44%)
- Magenta (0%)
- Yellow (77%)
- Black (11%)





- Cyan (50%)
- Magenta (11%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 90.507, 128.645 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, 90.507, 128.645 by changing the saturation by 10% instead.


 82, 90.507,
128.645

 82, 90.507,
128.645


 100, 90.507,
128.645

 72, 90.507,
128.645

 62, 90.507,
128.645

 52, 90.507,
128.645

 42, 90.507,
128.645

 32, 90.507,
128.645

 22, 90.507,
128.645

 12, 90.507,

128.645

■ 2, 90.507, 128.645

■ 0, 90.507, 128.645

■ 82, 90.507,
128.645

■ 82, 90.507,
128.645

■ 81, 97.279,
129.106

■ 83, 81.608,
128.597

■ 81, 101.641,
130.046

■ 84, 71.127,
128.827

■ 81, 102.616,
130.333

■ 84, 59.582,
129.219

■ 86, 47.372,
129.688


■ 87, 34.782,

130.180

 88, 22.010,
130.664

 89, 9.195, 131.128

 91, 3.564, 311.484

 93, 15.181,
313.350

Harmonies

Complementary

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



82, 90.507, 128.645



45, 99.097, 314.396

Rectangle

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



82, 90.507, 128.645



82, 90.507, 178.645



82, 90.507, 308.645



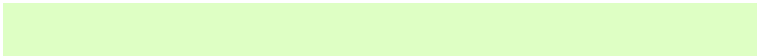
82, 90.507, 358.645

Sweetspot

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



82, 90.507, 128.646



96, 32.222, 130.379



69, 64.199, 71.332



51, 22.290, 130.201



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, 90.507, 128.646



90, 109.190, 129.654



80, 97.037, 138.636



47, 7.293, 131.024



65, 85.230, 130.081



18, 32.970, 129.810

Inverse Universe

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



45, 99.097, 314.396



45, 120.395, 313.855



56, 93.438, 330.326



45, 7.379, 311.806



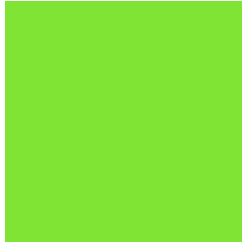
29, 94.070, 313.588



5, 36.039, 313.466

Previews

White Background



This preview shows how the CIE LCh color 82, 90.507, 128.645 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, 90.507, 128.645 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

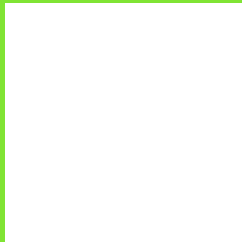
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 90.507, 128.645

Background



This preview shows how black text looks on a background with the CIELCh color 82, 90.507, 128.645.



This preview shows how white text looks on a background with the CIELCh color 82, 90.507, 128.645.

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, 90.507, 128.645

Protanopia
82, 74.672, 95.068

Deuteranopia
81, 68.402, 81.159



Tritanopia
82, 20.373, 224.721

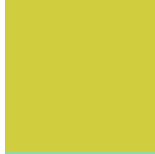
Trichromacy



Original Color
82, 90.507, 128.645



Protanomaly
81, 76.848, 109.895



Deuteranomaly
80, 69.311, 102.879

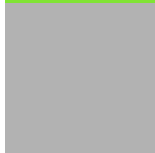


Tritanomaly
81, 38.643, 150.511

Monochromacy



Original Color
82, 90.507, 128.645



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 36.806, 129.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 90.507, 128.645 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(128, 228, 52)` looks like.

```
.text, #text, p{  
    color:rgb(128, 228, 52)  
}
```

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(128, 228, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 228, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 90.507, 128.645 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(128, 228, 52) }
```

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

```
.border{ border-color:rgb(128, 228, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 228, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 228, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 228, 52);  
box-shadow:4px 4px 4px 4px rgb(128, 228,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 90.507, 128.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 228, 52) }
```

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

```
.background{ background-color: rgb(128,  
228, 52) }
```

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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