

Converting Colors

CIELCh(82, 68.038, 145.287)

Have a look what the booklet for
CIELCh(82, 68.038, 145.287)
contains.

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Color

CIELCh(82, 68.215, 145.312)

Conversions

Conversions Part 1

Format	Color
Hex	67E580
RGB	103, 229, 128
RGB Percent	40%, 90%, 50%
CMY	0.5973, 0.1031, 0.4990
CMYK	0.55, 0.00, 0.44, 0.10
HSL	132°, 71%, 65%
HSV	132°, 55%, 90%
XYZ	37.3785, 60.2982, 30.0014
YIQ	179.8120, -42.6750, -58.1230

Conversions

Conversions Part 2

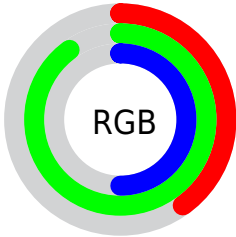
Format	Color
RYB	103, 208, 229
Decimal	6808960
CIELab	82.00, -56.09, 38.82
CIELCh	82, 68.215, 145.312
Yxy	60.2982, 0.2928, 0.4723
Android (android.graphics.Color)	4284999040 (0xFF67E580)
YUV	179.8120, -25.5433, -67.3641
Hunter-Lab	77.6519, -49.9682, 31.4492

Details

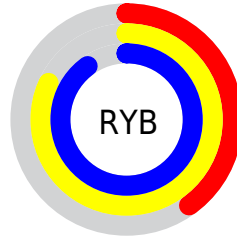
The CIELCh color **82, 68.215, 145.312** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **62, 67.736, 334.205**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 49.657, 147.824**, and **62, 67.905, 145.425** is the 20% darker color. If you saturate the color by 10%, you get **81, 78.777, 143.881**, and if you desaturate by 10%, it is **83, 56.701, 146.581**.

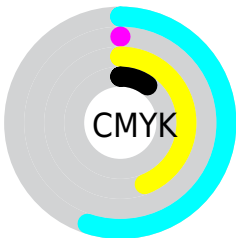
Distribution



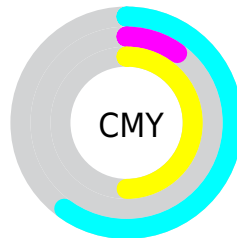
- Red (40%)
- Green (90%)
- Blue (50%)



- Red (40%)
- Yellow (82%)
- Blue (90%)



- Cyan (55%)
- Magenta (0%)
- Yellow (44%)
- Black (10%)





- Cyan (60%)
- Magenta (10%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 68.215, 145.312 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, 68.215, 145.312 by changing the saturation by 10% instead.


 82, 68.215,
145.312

 82, 68.215,
145.312


 100, 68.215,
145.312


 72, 68.215,
145.312

 62, 68.215,
145.312

 52, 68.215,
145.312

 42, 68.215,
145.312

 32, 68.215,
145.312

 22, 68.215,
145.312

 12, 68.215,

145.312

■ 2, 68.215, 145.312

■ 0, 68.215, 145.312

■ 82, 68.215,
145.312

■ 82, 68.215,
145.312

■ 81, 78.777,
143.881

■ 83, 56.701,
146.581

■ 80, 88.097,
142.311

■ 84, 44.518,
147.688

■ 80, 95.911,
140.658

■ 86, 31.934,
148.645

■ 80, 102.007,
139.023

■ 88, 19.177,
149.473

■ 80, 104.386,

■ 90, 6.435, 150.215

138.311

■ 92, 6.152, 330.717

■ 94, 16.425,
324.993

Harmonies

Complementary

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



82, 68.215, 145.312



62, 67.736, 334.205

Rectangle

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



82, 68.215, 145.312



82, 68.215, 195.312



82, 68.215, 325.312



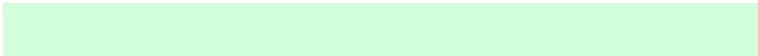
82, 68.215, 15.312

Sweetspot

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



82, 68.216, 145.312



96, 23.600, 149.316



87, 63.164, 113.631



51, 15.794, 149.153



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, 68.216, 145.312



89, 86.924, 143.684



83, 45.352, 168.622



47, 7.213, 149.895



63, 86.167, 138.579



17, 33.188, 142.518

Inverse Universe

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



62, 67.736, 334.205



64, 84.907, 335.072



60, 52.833, 2.619



45, 7.236, 331.045



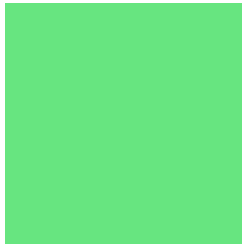
40, 75.821, 338.050



8, 32.549, 336.253

Previews

White Background



This preview shows how the CIE LCh color 82, 68.215, 145.312 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, 68.215, 145.312 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, 68.215, 145.312

Background



This preview shows how black text looks on a background with the CIELCh color 82, 68.215, 145.312.



This preview shows how white text looks on a background with the CIELCh color 82, 68.215, 145.312.

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, 68.215, 145.312

Protanopia
81, 44.458, 95.316

Deuteranopia
81, 36.962, 74.569

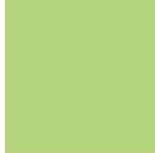


Tritanopia
82, 27.521, 218.237

Trichromacy



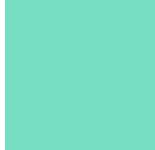
Original Color
82, 68.215, 145.312



Protanomaly
81, 48.235, 122.060



Deuteranomaly
80, 39.035, 116.246

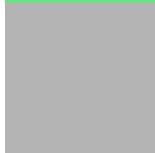


Tritanomaly
82, 36.123, 174.357

Monochromacy



Original Color
82, 68.215, 145.312



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 26.351, 148.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 68.215, 145.312 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(103, 229, 128)` looks like.

```
.text, #text, p{  
    color:rgb(103, 229, 128)  
}
```

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(103, 229, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 229, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 68.215, 145.312 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(103, 229, 128) }
```

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

```
.border{ border-color:rgb(103, 229, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 229, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 229, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 229, 128); box-shadow:4px 4px 4px 4px rgb(103, 229, 128) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 68.215, 145.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 229, 128) }
```

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

```
.background{ background-color: rgb(103,  
229, 128) }
```

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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