

Converting Colors

CIELCh(83, 64.050, 140.958)

Have a look what the booklet for
CIELCh(83, 64.050, 140.958)
contains.

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Color

CIELCh(83, 63.788, 140.964)

Conversions

Conversions Part 1

Format	Color
Hex	80E580
RGB	128, 229, 128
RGB Percent	50%, 90%, 50%
CMY	0.4982, 0.1021, 0.4982
CMYK	0.44, 0.00, 0.44, 0.10
HSL	120°, 66%, 70%
HSV	120°, 44%, 90%
XYZ	40.8003, 62.1629, 30.2591
YIQ	187.2870, -27.7750, -52.8230

Conversions

Conversions Part 2

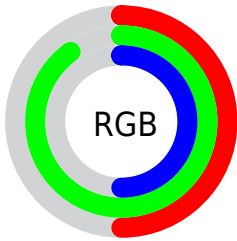
Format	Color
RYB	128, 229, 229
Decimal	8447360
CIELab	83.00, -49.55, 40.17
CIElCh	83, 63.788, 140.964
Yxy	62.1629, 0.3063, 0.4666
Android (android.graphics.Color)	4286637440 (0xFF80E580)
YUV	187.2870, -29.2285, -51.9947
Hunter-Lab	78.8435, -45.6051, 32.4357

Details

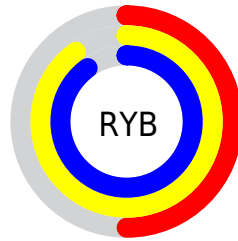
The CIELCh color **83, 63.788, 140.964** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68, 63.581, 326.782**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 45.133, 141.458**, and **63, 63.821, 141.063** is the 20% darker color. If you saturate the color by 10%, you get **82, 76.833, 139.867**, and if you desaturate by 10%, it is **84, 49.817, 141.960**.

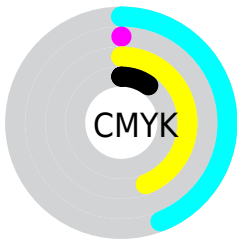
Distribution



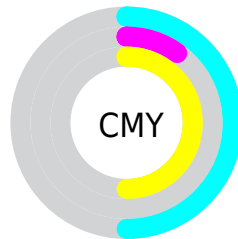
- Red (50%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (90%)



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 63.788, 140.964 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 83, 63.788, 140.964 by changing the saturation by 10% instead.

■ 83, 63.788,
140.964

■ 83, 63.788,
140.964

■ 100, 63.788,
140.964

■ 73, 63.788,
140.964

■ 63, 63.788,
140.964

■ 53, 63.788,
140.964

■ 43, 63.788,
140.964

■ 33, 63.788,
140.964

■ 23, 63.788,
140.964

■ 13, 63.788,

140.964

■ 3, 63.788, 140.964

■ 0, 63.788, 140.964

■ 83, 63.788,
140.964

■ 83, 63.788,
140.964

■ 82, 76.833,
139.867

■ 84, 49.817,
141.960

■ 81, 88.448,
138.722

■ 86, 35.322,
142.834

■ 80, 98.059,
137.634

■ 88, 20.624,
143.588


■ 80, 105.077,
136.747


■ 90, 5.965, 144.258

■ 80, 109.120,

■ 92, 8.482, 324.714

136.198

 94, 16.268,
324.987

 80, 110.412,
136.016

Harmonies

Complementary

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



83, 63.788, 140.964



68, 63.581, 326.782

Rectangle

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



83, 63.788, 140.964



83, 63.788, 190.964



83, 63.788, 320.964



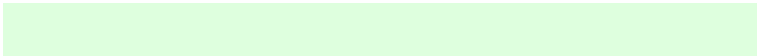
83, 63.788, 10.964

Sweetspot

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



83, 63.789, 140.964



97, 20.722, 143.660



89, 50.980, 105.945



51, 14.515, 143.505



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 63.789, 140.964



90, 82.269, 139.957



84, 43.724, 159.147



47, 8.293, 143.904



63, 91.650, 136.016



17, 36.761, 138.832

Inverse Universe

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



68, 63.581, 326.782



71, 81.689, 327.192



66, 46.002, 348.205



45, 8.306, 324.942



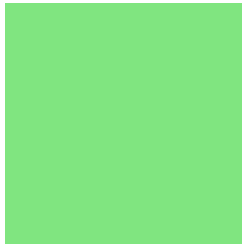
42, 88.425, 328.234



9, 37.107, 328.234

Previews

White Background



This preview shows how the CIELCh color 83, 63.788, 140.964 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 83, 63.788, 140.964 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 83, 63.788, 140.964

Background



This preview shows how black text looks on a background with the CIELCh color 83, 63.788, 140.964.

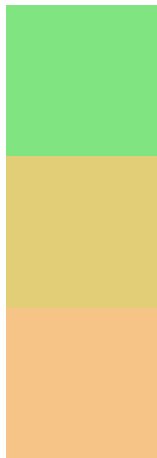


This preview shows how white text looks on a background with the CIELCh color 83, 63.788, 140.964.

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](#).

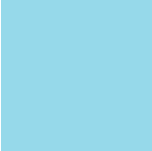
Dichromacy



Original Color
83, 63.788, 140.964

Protanopia
83, 45.699, 96.115

Deuteranopia
82, 38.523, 73.763

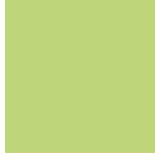


Tritanopia
83, 22.624, 221.692

Trichromacy



Original Color
83, 63.788, 140.964



Protanomaly
82, 48.192, 117.698



Deuteranomaly
82, 38.955, 109.104

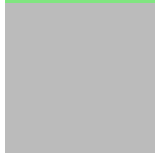


Tritanomaly
83, 30.411, 170.333

Monochromacy



Original Color
83, 63.788, 140.964



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 23.559, 143.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 63.788, 140.964 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, 229, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 229, 128) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 83, 63.788, 140.964 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, 229, 128) }
```

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

```
.border{ border-color:rgb(128, 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(128, 229, 128)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 83, 63.788, 140.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(128,  
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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