

Converting Colors

CIELCh(81, 62.642, 138.409)

Have a look what the booklet for
CIELCh(81, 62.642, 138.409)
contains.

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Color

CIELCh(81, 62.623, 138.434)

Conversions

Conversions Part 1

Format	Color
Hex	83DE78
RGB	131, 222, 120
RGB Percent	51%, 87%, 47%
CMY	0.4860, 0.1291, 0.5291
CMYK	0.41, 0.00, 0.46, 0.13
HSL	114°, 61%, 67%
HSV	114°, 46%, 87%
XYZ	38.9068, 58.4711, 27.0268
YIQ	183.1630, -21.4940, -51.0140

Conversions

Conversions Part 2

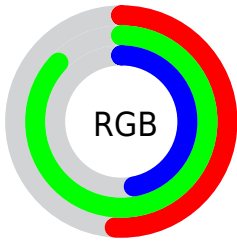
Format	Color
RYB	120, 222, 211
Decimal	8642168
CIELab	81.00, -46.85, 41.55
CIELCh	81, 62.623, 138.434
Yxy	58.4711, 0.3127, 0.4700
Android (android.graphics.Color)	4286832248 (0xFF83DE78)
YUV	183.1630, -31.1394, -45.7470
Hunter-Lab	76.4664, -42.9937, 32.5706

Details

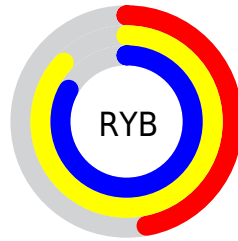
The CIELCh color **81, 62.623, 138.434** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **64, 63.056, 323.618**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 47.981, 137.841**, and **61, 62.402, 138.385** is the 20% darker color. If you saturate the color by 10%, you get **80, 74.992, 137.578**, and if you desaturate by 10%, it is **82, 49.436, 139.249**.

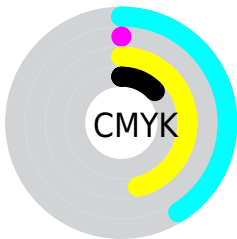
Distribution



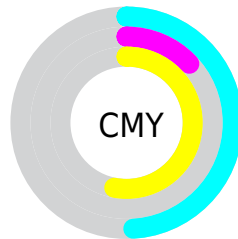
- Red (51%)
- Green (87%)
- Blue (47%)



- Red (47%)
- Yellow (87%)
- Blue (83%)



- Cyan (41%)
- Magenta (0%)
- Yellow (46%)
- Black (13%)





- Cyan (49%)
- Magenta (13%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 62.623, 138.434 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 81, 62.623, 138.434 by changing the saturation by 10% instead.


 81, 62.623,
138.434


 81, 62.623,
138.434


 100, 62.623,
138.434


 71, 62.623,
138.434

 61, 62.623,
138.434

 51, 62.623,
138.434

 41, 62.623,
138.434

 31, 62.623,
138.434

 21, 62.623,
138.434

 11, 62.623,

138.434

■ 1, 62.623, 138.434

■ 0, 62.623, 138.434

■ 81, 62.623,
138.434

■ 81, 62.623,
138.434

■ 80, 74.992,
137.578

■ 82, 49.436,
139.249

■ 79, 86.079,
136.748

■ 84, 35.787,
139.989

■ 78, 95.324,
136.053

■ 85, 21.949,
140.645

■ 78, 102.147,
135.628

■ 87, 8.124, 141.228

■ 78, 106.177,

■ 89, 5.541, 321.634

135.570

■ 92, 18.945,
322.078

■ 78, 107.245,
135.571

■ 92, 20.601,
325.141

Harmonies

Complementary

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



81, 62.623, 138.434



64, 63.056, 323.618

Rectangle

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



81, 62.623, 138.434



81, 62.623, 188.434



81, 62.623, 318.434



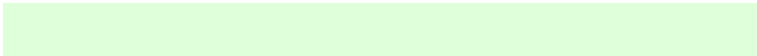
81, 62.623, 8.434

Sweetspot

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



81, 62.624, 138.435



97, 21.558, 140.755



83, 46.606, 99.976



51, 14.896, 140.623



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 62.624, 138.435



91, 82.579, 137.622



81, 48.795, 153.424



46, 7.862, 141.027



63, 90.016, 135.481



16, 34.290, 137.531

Inverse Universe

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



64, 63.056, 323.618



68, 82.984, 323.954



64, 49.924, 341.891



44, 7.890, 321.929



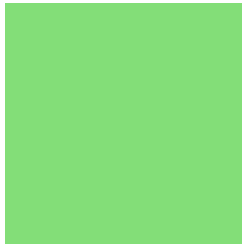
38, 88.143, 324.074



7, 35.765, 324.589

Previews

White Background



This preview shows how the CIELCh color 81, 62.623, 138.434 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 81, 62.623, 138.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

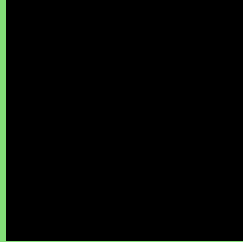
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 62.623, 138.434

Background



This preview shows how black text looks on a background with the CIELCh color 81, 62.623, 138.434.



This preview shows how white text looks on a background with the CIELCh color 81, 62.623, 138.434.

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](#).

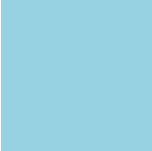
Dichromacy



Original Color
81, 62.623, 138.434

Protanopia
81, 46.460, 95.504

Deuteranopia
80, 39.840, 75.136

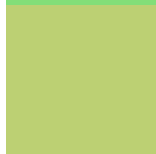


Tritanopia
81, 20.641, 224.382

Trichromacy



Original Color
81, 62.623, 138.434



Protanomaly
80, 48.529, 115.639



Deuteranomaly
80, 40.097, 107.112



Tritanomaly
81, 28.153, 167.942

Monochromacy



Original Color
81, 62.623, 138.434



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 23.492, 140.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 62.623, 138.434 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(131, 222, 120)` looks like.

```
.text, #text, p{  
    color:rgb(131, 222, 120)  
}
```

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(131, 222, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 222, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 62.623, 138.434 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(131, 222, 120) }
```

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

```
.border{ border-color:rgb(131, 222, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 222, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 222, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 222, 120);  
box-shadow:4px 4px 4px 4px rgb(131, 222,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 62.623, 138.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 222, 120) }
```

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

```
.background{ background-color: rgb(131,  
222, 120) }
```

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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