

Converting Colors

CIELCh(81, 64.078, 142.997)

Have a look what the booklet for
CIELCh(81, 64.078, 142.997)
contains.

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Color

CIELCh(81, 64.022, 142.988)

Conversions

Conversions Part 1

Format	Color
Hex	74E07E
RGB	116, 224, 126
RGB Percent	45%, 88%, 49%
CMY	0.5455, 0.1219, 0.5062
CMYK	0.48, 0.00, 0.44, 0.12
HSL	126°, 63%, 67%
HSV	126°, 48%, 88%
XYZ	37.5803, 58.4711, 29.0147
YIQ	180.5360, -32.9100, -53.3740

Conversions

Conversions Part 2

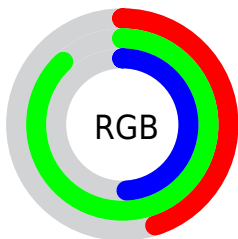
Format	Color
RYB	116, 215, 224
Decimal	7659646
CIELab	81.00, -51.12, 38.54
CIElCh	81, 64.022, 142.988
Yxy	58.4711, 0.3005, 0.4675
Android (android.graphics.Color)	4285849726 (0xFF74E07E)
YUV	180.5360, -26.8862, -56.5981
Hunter-Lab	76.4664, -46.0903, 31.0292

Details

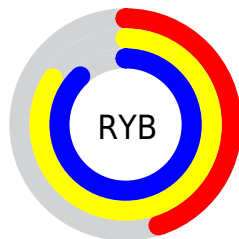
The CIELCh color **81, 64.022, 142.988** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **64, 63.686, 329.838**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 48.190, 144.162**, and **61, 64.035, 142.966** is the 20% darker color. If you saturate the color by 10%, you get **80, 75.819, 141.761**, and if you desaturate by 10%, it is **82, 51.334, 144.084**.

Distribution



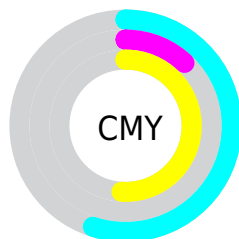
- Red (45%)
- Green (88%)
- Blue (49%)



- Red (45%)
- Yellow (84%)
- Blue (88%)



- Cyan (48%)
- Magenta (0%)
- Yellow (44%)
- Black (12%)



- Cyan (55%)
- Magenta (12%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 64.022, 142.988 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, 64.022, 142.988 by changing the saturation by 10% instead.


 81, 64.022,
142.988

 81, 64.022,
142.988


 100, 64.022,
142.988

 71, 64.022,
142.988


 61, 64.022,
142.988

 51, 64.022,
142.988

 41, 64.022,
142.988

 31, 64.022,
142.988

 21, 64.022,
142.988

 11, 64.022,

142.988

■ 1, 64.022, 142.988

■ 0, 64.022, 142.988

■ 81, 64.022,
142.988

■ 81, 64.022,
142.988

■ 80, 75.819,
141.761

■ 82, 51.334,
144.084

■ 79, 86.336,
140.436

■ 84, 38.095,
145.040

■ 79, 95.156,
139.088

■ 85, 24.590,
145.864

■ 78, 101.877,
137.831

■ 87, 11.048,
146.580

■ 78, 106.228,

■ 90, 2.359, 327.021

136.822

92, 15.508,
327.640

78, 106.776,
136.702

92, 19.449,
325.100

Harmonies

Complementary

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



81, 64.022, 142.988



64, 63.686, 329.838

Rectangle

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



81, 64.022, 142.988



81, 64.022, 192.988



81, 64.022, 322.988



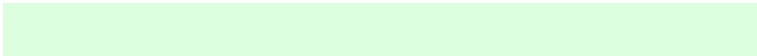
81, 64.022, 12.988

Sweetspot

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



81, 64.023, 142.988



97, 20.945, 146.171



86, 54.537, 109.472



51, 14.473, 146.012



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, 64.023, 142.988



90, 83.874, 141.737



82, 43.403, 163.193



46, 7.637, 146.498



63, 88.837, 136.861



16, 33.636, 141.064

Inverse Universe

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



64, 63.686, 329.838



68, 82.756, 330.391



62, 47.260, 354.133



44, 7.653, 327.571



41, 81.375, 332.288



7, 33.755, 331.557

Previews

White Background



This preview shows how the CIE LCh color 81, 64.022, 142.988 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, 64.022, 142.988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

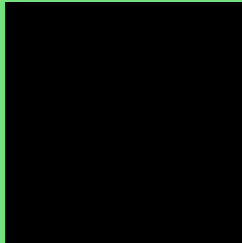
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 64.022, 142.988

Background



This preview shows how black text looks on a background with the CIELCh color 81, 64.022, 142.988.

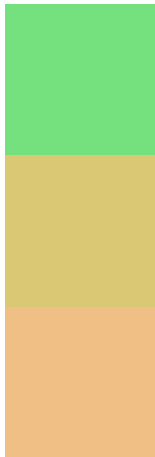


This preview shows how white text looks on a background with the CIELCh color 81, 64.022, 142.988.

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, 64.022, 142.988

Protanopia
81, 43.949, 95.742

Deuteranopia
80, 36.633, 74.137



Tritanopia
81, 24.125, 220.143

Trichromacy



Original Color
81, 64.022, 142.988



Protanomaly
80, 47.209, 119.498



Deuteranomaly
80, 37.751, 112.330



Tritanomaly
81, 31.471, 173.166

Monochromacy



Original Color
81, 64.022, 142.988



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 24.357, 145.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 64.022, 142.988 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(116, 224, 126)` looks like.

```
.text, #text, p{  
    color:rgb(116, 224, 126)  
}
```

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(116, 224, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 224, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 64.022, 142.988 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(116, 224, 126) }
```

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

```
.border{ border-color:rgb(116, 224, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 224, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 224, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 224, 126);  
box-shadow:4px 4px 4px 4px rgb(116, 224,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 64.022, 142.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 224, 126) }
```

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

```
.background{ background-color: rgb(116,  
224, 126) }
```

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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