

Converting Colors

CIELCh(81, 75.736, 140.111)

Have a look what the booklet for
CIELCh(81, 75.736, 140.111)
contains.

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Color

CIELCh(81, 75.488, 140.085)

Conversions

Conversions Part 1

Format	Color
Hex	68E269
RGB	104, 226, 105
RGB Percent	41%, 89%, 41%
CMY	0.5914, 0.1130, 0.5876
CMYK	0.54, 0.00, 0.54, 0.11
HSL	120°, 68%, 65%
HSV	120°, 54%, 89%
XYZ	35.5366, 58.4711, 22.8228
YIQ	175.7280, -33.8710, -63.4950

Conversions

Conversions Part 2

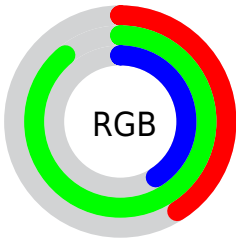
Format	Color
RYB	104, 225, 226
Decimal	6873705
CIELab	81.00, -57.90, 48.44
CIELCh	81, 75.488, 140.085
Yxy	58.4711, 0.3042, 0.5005
Android (android.graphics.Color)	4285063785 (0xFF68E269)
YUV	175.7280, -34.8689, -62.9055
Hunter-Lab	76.4664, -50.8611, 35.8303

Details

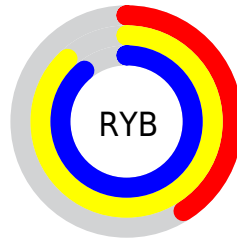
The CIELCh color **81, 75.488, 140.085** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **63, 74.910, 327.451**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 58.876, 140.425**, and **61, 75.606, 140.170** is the 20% darker color. If you saturate the color by 10%, you get **80, 87.007, 138.927**, and if you desaturate by 10%, it is **82, 62.598, 141.188**.

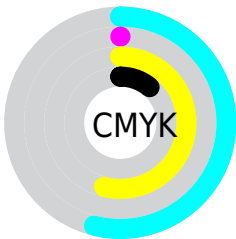
Distribution



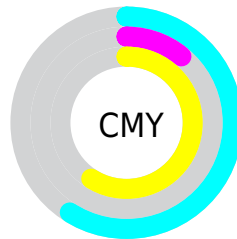
- Red (41%)
- Green (89%)
- Blue (41%)



- Red (41%)
- Yellow (88%)
- Blue (89%)



- Cyan (54%)
- Magenta (0%)
- Yellow (54%)
- Black (11%)





- Cyan (59%)
- Magenta (11%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 75.488, 140.085 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, 75.488, 140.085 by changing the saturation by 10% instead.


 81, 75.488,
140.085


 81, 75.488,
140.085


 100, 75.488,
140.085


 71, 75.488,
140.085

 61, 75.488,
140.085

 51, 75.488,
140.085

 41, 75.488,
140.085

 31, 75.488,
140.085

 21, 75.488,
140.085

 11, 75.488,

140.085

■ 1, 75.488, 140.085

■ 0, 75.488, 140.085

■ 81, 75.488,
140.085

■ 81, 75.488,
140.085

■ 80, 87.007,
138.927

■ 82, 62.598,
141.188

■ 79, 96.599,
137.811

■ 84, 48.814,
142.184

■ 79, 103.694,
136.878

■ 85, 34.529,
143.057

■ 79, 107.902,
136.266

■ 87, 20.052,
143.810

■ 79, 109.267,

■ 89, 5.618, 144.482

136.066

■ 91, 8.605, 324.935

■ 93, 18.016,
325.050

Harmonies

Complementary

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



81, 75.488, 140.085



63, 74.910, 327.451

Rectangle

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



81, 75.488, 140.085



81, 75.488, 190.085



81, 75.488, 320.085



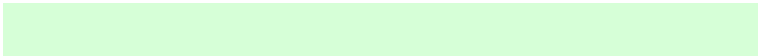
81, 75.488, 10.085

Sweetspot

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



81, 75.489, 140.085



96, 25.402, 143.656



88, 60.684, 105.094



51, 17.162, 143.504



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, 75.489, 140.085



89, 96.983, 138.755



82, 51.948, 157.779



46, 8.098, 144.116



63, 90.526, 136.085



16, 35.116, 139.610

Inverse Universe

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



63, 74.910, 327.451



66, 95.493, 327.890



61, 54.894, 349.671



44, 8.110, 325.153



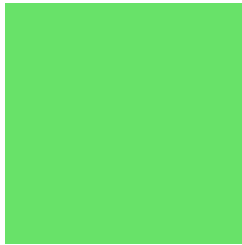
42, 86.947, 328.550



8, 35.736, 328.494

Previews

White Background



This preview shows how the CIE LCh color 81, 75.488, 140.085 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, 75.488, 140.085 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, 75.488, 140.085

Background



This preview shows how black text looks on a background with the CIELCh color 81, 75.488, 140.085.

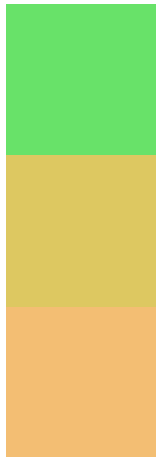


This preview shows how white text looks on a background with the CIELCh color 81, 75.488, 140.085.

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, 75.488, 140.085

Protanopia
80, 53.607, 95.669

Deuteranopia
80, 46.043, 76.965



Tritanopia
81, 26.037, 218.311

Trichromacy



Original Color
81, 75.488, 140.085



Protanomaly
80, 57.256, 118.116



Deuteranomaly
79, 47.631, 110.869



Tritanomaly
81, 36.821, 168.326

Monochromacy



Original Color
81, 75.488, 140.085



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 29.038, 142.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 75.488, 140.085 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(104, 226, 105)` looks like.

```
.text, #text, p{  
    color:rgb(104, 226, 105)  
}
```

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(104, 226, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 226, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 75.488, 140.085 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(104, 226, 105) }
```

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

```
.border{ border-color:rgb(104, 226, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 226, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 226, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 226, 105);  
box-shadow:4px 4px 4px 4px rgb(104, 226,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 75.488, 140.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 226, 105) }
```

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

```
.background{ background-color: rgb(104,  
226, 105) }
```

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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