

Converting Colors

CIELCh(78, 71.312, 133.327)

Have a look what the booklet for
CIELCh(78, 71.312, 133.327)
contains.

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Color

CIELCh(78, 71.444, 133.271)

Conversions

Conversions Part 1

Format	Color
Hex	7DD65A
RGB	125, 214, 90
RGB Percent	49%, 84%, 35%
CMY	0.5097, 0.1606, 0.6469
CMYK	0.42, 0.00, 0.58, 0.16
HSL	103°, 60%, 60%
HSV	103°, 58%, 84%
XYZ	34.3648, 53.2120, 18.1397
YIQ	173.2530, -13.2400, -57.4320

Conversions

Conversions Part 2

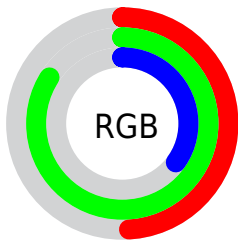
Format	Color
RYB	90, 214, 179
Decimal	8246874
CIELab	78.00, -48.97, 52.02
CIELCh	78, 71.444, 133.271
Yxy	53.2120, 0.3251, 0.5033
Android (android.graphics.Color)	4286436954 (0xFF7DD65A)
YUV	173.2530, -41.0437, -42.3179
Hunter-Lab	72.9466, -43.5658, 36.3189

Details

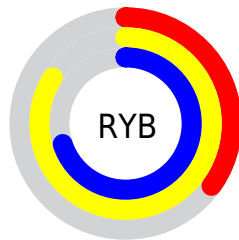
The CIELCh color **78, 71.444, 133.271** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **54, 74.079, 318.603**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 61.978, 132.247**, and **58, 71.170, 133.335** is the 20% darker color. If you saturate the color by 10%, you get **77, 81.734, 132.856**, and if you desaturate by 10%, it is **79, 60.040, 133.809**.

Distribution



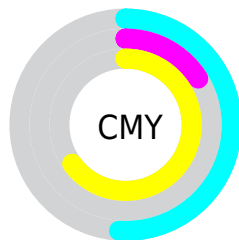
- Red (49%)
- Green (84%)
- Blue (35%)



- Red (35%)
- Yellow (84%)
- Blue (70%)



- Cyan (42%)
- Magenta (0%)
- Yellow (58%)
- Black (16%)





- Cyan (51%)
- Magenta (16%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 71.444, 133.271 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 78, 71.444, 133.271 by changing the saturation by 10% instead.


 78, 71.444,
133.271


 78, 71.444,
133.271


 100, 71.444,
133.271


 68, 71.444,
133.271


 98, 71.444,
133.271

 58, 71.444,
133.271

 48, 71.444,
133.271

 38, 71.444,
133.271

 28, 71.444,
133.271

 18, 71.444,
133.271

 8, 71.444, 133.271

0, 71.444, 133.271

78, 71.444,
133.271

78, 71.444,
133.271

77, 81.734,
132.856

79, 60.040,
133.809

77, 90.388,
132.677

80, 47.931,
134.386

76, 96.873,
132.865

81, 35.421,
134.952

76, 100.957,
133.462

83, 22.731,
135.483

76, 101.643,
133.583

84, 10.018,
135.971

86, 2.605, 316.301

■ 88, 15.057,
316.735

■ 90, 24.421,
320.354

■ 90, 25.664,
325.318

Harmonies

Complementary

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



78, 71.444, 133.271



54, 74.079, 318.603

Rectangle

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



78, 71.444, 133.271



78, 71.444, 183.271



78, 71.444, 313.271



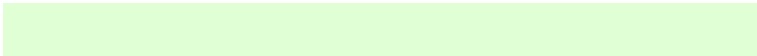
78, 71.444, 3.271

Sweetspot

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



78, 71.445, 133.272



97, 24.831, 135.522



74, 49.425, 87.374



51, 16.616, 135.418



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 71.445, 133.272



90, 96.224, 132.777



77, 66.729, 145.534



44, 7.176, 135.901



61, 85.726, 133.394



15, 29.699, 135.367

Inverse Universe

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



54, 74.079, 318.603



57, 100.005, 318.799



57, 66.147, 335.157



42, 7.231, 316.672



32, 88.391, 317.983



4, 30.805, 317.452

Previews

White Background



This preview shows how the CIELCh color 78, 71.444, 133.271 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 78, 71.444, 133.271 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 78, 71.444, 133.271

Background



This preview shows how black text looks on a background with the CIELCh color 78, 71.444, 133.271.

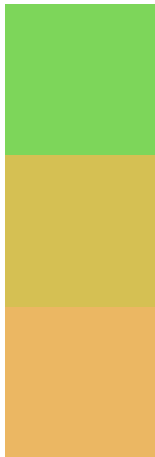


This preview shows how white text looks on a background with the CIELCh color 78, 71.444, 133.271.

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](#).

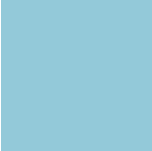
Dichromacy



Original Color
78, 71.444, 133.271

Protanopia
78, 56.508, 95.605

Deuteranopia
78, 50.209, 79.072



Tritanopia
78, 19.241, 224.923

Trichromacy



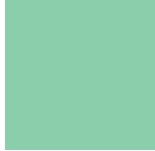
Original Color
78, 71.444, 133.271



Protanomaly
77, 58.289, 112.794



Deuteranomaly
77, 50.556, 104.942

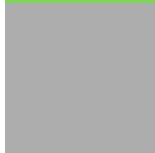


Tritanomaly
78, 30.577, 159.446

Monochromacy



Original Color
78, 71.444, 133.271



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 27.265, 134.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 71.444, 133.271 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(125, 214, 90)` looks like.

```
.text, #text, p{  
    color:rgb(125, 214, 90)  
}
```

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(125, 214, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 214, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 71.444, 133.271 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(125, 214, 90) }
```

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

```
.border{ border-color:rgb(125, 214, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 214, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 214, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 214, 90);  
box-shadow:4px 4px 4px 4px rgb(125, 214,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 71.444, 133.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 214, 90) }
```

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

```
.background{ background-color: rgb(125,  
214, 90) }
```

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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