

Converting Colors

CIELCh(80, 71.146, 119.899)

Have a look what the booklet for
CIELCh(80, 71.146, 119.899)
contains.

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Color

CIELCh(80, 71.269, 119.993)

Conversions

Conversions Part 1

Format	Color
Hex	A7D64A
RGB	167, 214, 74
RGB Percent	65%, 84%, 29%
CMY	0.3459, 0.1615, 0.7105
CMYK	0.22, 0.00, 0.65, 0.16
HSL	80°, 63%, 56%
HSV	80°, 65%, 84%
XYZ	41.1222, 56.6813, 15.2182
YIQ	183.9870, 16.9280, -53.5040

Conversions

Conversions Part 2

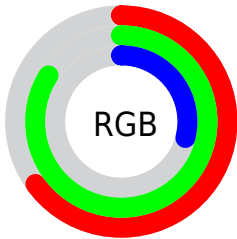
Format	Color
RYB	74, 214, 121
Decimal	10999370
CIELab	80.00, -35.63, 61.73
CIElCh	80, 71.269, 119.993
Yxy	56.6813, 0.3638, 0.5015
Android (android.graphics.Color)	4289189450 (0xFFA7D64A)
YUV	183.9870, -54.2236, -14.8976
Hunter-Lab	75.2870, -34.2544, 40.7162

Details

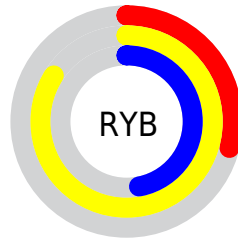
The CIELCh color **80, 71.269, 119.993** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **44, 82.508, 307.910**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 63.002, 116.348**, and **60, 71.232, 119.981** is the 20% darker color. If you saturate the color by 10%, you get **79, 79.300, 119.997**, and if you desaturate by 10%, it is **81, 61.852, 120.254**.

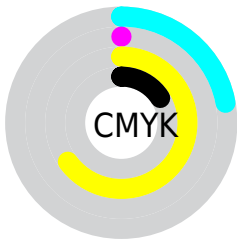
Distribution



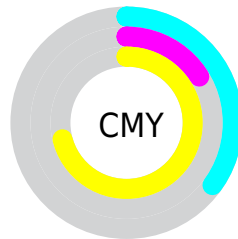
- Red (65%)
- Green (84%)
- Blue (29%)



- Red (29%)
- Yellow (84%)
- Blue (47%)



- Cyan (22%)
- Magenta (0%)
- Yellow (65%)
- Black (16%)





- Cyan (35%)
- Magenta (16%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 71.269, 119.993 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 80, 71.269, 119.993 by changing the saturation by 10% instead.


 80, 71.269,
119.993


 80, 71.269,
119.993


 100, 71.269,
119.993


 70, 71.269,
119.993

 60, 71.269,
119.993

 50, 71.269,
119.993

 40, 71.269,
119.993

 30, 71.269,
119.993

 20, 71.269,
119.993

 10, 71.269,

119.993

■ 0, 71.269, 119.993

■ 80, 71.269,
119.993

■ 80, 71.269,
119.993

■ 79, 79.300,
119.997

■ 81, 61.852,
120.254

■ 79, 85.430,
120.379

■ 81, 51.508,
120.676

■ 78, 89.312,
121.233

■ 82, 40.582,
121.188

■ 78, 90.587,
121.711

■ 83, 29.310,
121.740

■ 84, 17.852,
122.302

■ 85, 6.315, 122.858

■ 86, 5.227, 303.361

■ 87, 16.721,
303.865

■ 88, 22.452,
307.314

Harmonies

Complementary

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



80, 71.269, 119.993



44, 82.508, 307.910

Rectangle

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



80, 71.269, 119.993



80, 71.269, 169.993



80, 71.269, 299.993



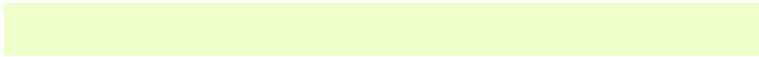
80, 71.269, 349.993

Sweetspot

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



80, 71.270, 119.995



98, 26.590, 122.037



60, 52.247, 51.692



52, 18.126, 121.877



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 71.270, 119.995



93, 93.895, 120.109



77, 81.822, 135.631



45, 6.557, 122.639



64, 76.516, 121.475



16, 26.363, 122.269

Inverse Universe

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



44, 82.508, 307.910



44, 112.991, 308.774



53, 82.776, 322.354



42, 6.676, 303.660



23, 95.515, 308.878



2, 28.182, 302.643

Previews

White Background



This preview shows how the CIELCh color 80, 71.269, 119.993 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 80, 71.269, 119.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

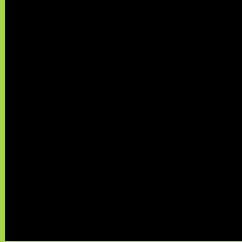
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 71.269, 119.993

Background



This preview shows how black text looks on a background with the CIELCh color 80, 71.269, 119.993.



This preview shows how white text looks on a background with the CIELCh color 80, 71.269, 119.993.

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
80, 71.269, 119.993

Protanopia
80, 64.899, 95.360

Deuteranopia
80, 60.823, 80.189



Tritanopia
80, 10.049, 257.478

Trichromacy



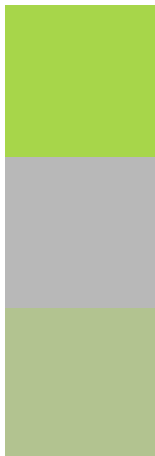
Original Color
80, 71.269, 119.993

Protanomaly
80, 65.564, 105.386

Deuteranomaly
79, 60.218, 96.359

Tritanomaly
80, 24.064, 133.522

Monochromacy



Original Color
80, 71.269, 119.993

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 27.900, 121.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 71.269, 119.993 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(167, 214, 74)` looks like.

```
.text, #text, p{  
    color:rgb(167, 214, 74)  
}
```

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(167, 214, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 214, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 71.269, 119.993 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(167, 214, 74) }
```

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

```
.border{ border-color:rgb(167, 214, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 214, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 214, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 214, 74);  
box-shadow:4px 4px 4px 4px rgb(167, 214,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 71.269, 119.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 214, 74) }
```

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

```
.background{ background-color: rgb(167,  
214, 74) }
```

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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