

Converting Colors

CIELCh(75, 71.384, 119.904)

Have a look what the booklet for
CIELCh(75, 71.384, 119.904)
contains.

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Color

CIELCh(75, 71.554, 119.853)

Conversions

Conversions Part 1

Format	Color
Hex	99C83B
RGB	153, 200, 59
RGB Percent	60%, 78%, 23%
CMY	0.4008, 0.2165, 0.7695
CMYK	0.24, 0.00, 0.71, 0.22
HSL	80°, 56%, 51%
HSV	80°, 71%, 78%
XYZ	34.4872, 48.2781, 11.6094
YIQ	169.8730, 17.2490, -53.8150

Conversions

Conversions Part 2

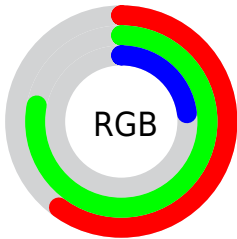
Format	Color
RYB	59, 200, 106
Decimal	10078267
CIELab	75.00, -35.62, 62.06
CIELCh	75, 71.554, 119.853
Yxy	48.2781, 0.3654, 0.5116
Android (android.graphics.Color)	4288268347 (0xFF99C83B)
YUV	169.8730, -54.6604, -14.7976
Hunter-Lab	69.4824, -32.9968, 38.7313

Details

The CIELCh color **75, 71.554, 119.853** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **38, 84.006, 308.195**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 70.814, 119.550**, and **55, 68.076, 121.271** is the 20% darker color. If you saturate the color by 10%, you get **74, 78.346, 120.021**, and if you desaturate by 10%, it is **76, 63.220, 120.003**.

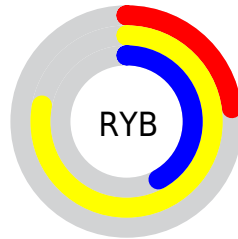
Distribution



Red (60%)

Green (78%)

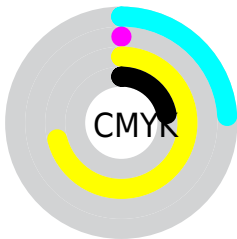
Blue (23%)



Red (23%)

Yellow (78%)

Blue (42%)

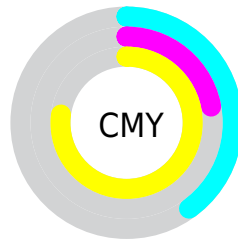


Cyan (24%)

Magenta (0%)

Yellow (71%)

Black (22%)



Cyan (40%)


Magenta (22%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 71.554, 119.853 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 75, 71.554, 119.853 by changing the saturation by 10% instead.


 75, 71.554,
119.853


 75, 71.554,
119.853


 100, 71.554,
119.853


 65, 71.554,
119.853


 95, 71.554,
119.853

 55, 71.554,
119.853

 45, 71.554,
119.853

 35, 71.554,
119.853

 25, 71.554,
119.853

 15, 71.554,
119.853

 5, 71.554, 119.853

■ 0, 71.554, 119.853

■ 75, 71.554,
119.853

■ 75, 71.554,
119.853

■ 74, 78.346,
120.021

■ 76, 63.220,
120.003

■ 74, 83.151,
120.613

■ 76, 53.815,
120.357

■ 74, 85.995,
121.534

■ 77, 43.718,
120.832

■ 78, 33.195,
121.368

■ 79, 22.429,
121.928

■ 79, 11.543,
122.486

■ 80, 0.619, 123.117

■ 82, 10.284,
303.525

■ 83, 21.123,
304.008

Harmonies

Complementary

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



75, 71.554, 119.853



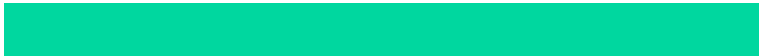
38, 84.006, 308.195

Rectangle

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



75, 71.554, 119.853



75, 71.554, 169.853



75, 71.554, 299.853



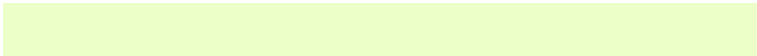
75, 71.554, 349.853

Sweetspot

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



75, 71.555, 119.855



98, 27.900, 121.887



55, 54.044, 51.512



52, 18.867, 121.729



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 71.555, 119.855



92, 97.726, 120.297



72, 82.168, 135.349



42, 6.166, 122.553



61, 73.889, 121.311



12, 21.574, 124.378

Inverse Universe

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



38, 84.006, 308.195



41, 119.417, 308.899



48, 82.958, 322.413



39, 6.277, 303.568



22, 92.340, 308.877



2, 21.874, 300.520

Previews

White Background



This preview shows how the CIELCh color 75, 71.554, 119.853 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 75, 71.554, 119.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

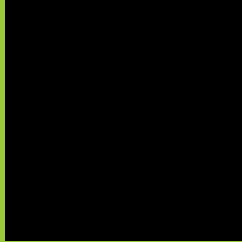
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 71.554, 119.853

Background



This preview shows how black text looks on a background with the CIELCh color 75, 71.554, 119.853.



This preview shows how white text looks on a background with the CIELCh color 75, 71.554, 119.853.

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
75, 71.554, 119.853

Protanopia
75, 64.697, 95.261

Deuteranopia
75, 60.822, 81.209



Tritanopia
75, 9.711, 250.433

Trichromacy



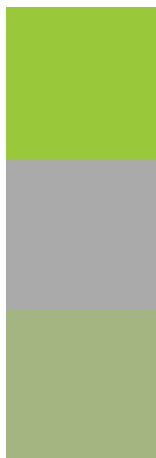
Original Color
75, 71.554, 119.853

Protanomaly
75, 65.766, 105.072

Deuteranomaly
74, 60.536, 97.196

Tritanomaly
75, 25.671, 133.913

Monochromacy



Original Color
75, 71.554, 119.853

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 28.266, 121.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 71.554, 119.853 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(153, 200, 59)` looks like.

```
.text, #text, p{  
    color:rgb(153, 200, 59)  
}
```

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(153, 200, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 200, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 71.554, 119.853 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(153, 200, 59) }
```

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

```
.border{ border-color:rgb(153, 200, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 200, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 200, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 200, 59);  
box-shadow:4px 4px 4px 4px rgb(153, 200,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 71.554, 119.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 200, 59) }
```

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

```
.background{ background-color: rgb(153,  
200, 59) }
```

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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