

Converting Colors

CIELCh(75, 63.179, 122.288)

Have a look what the booklet for
CIELCh(75, 63.179, 122.288)
contains.

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Color

CIELCh(75, 63.106, 122.186)

Conversions

Conversions Part 1

Format	Color
Hex	99C750
RGB	153, 199, 80
RGB Percent	60%, 78%, 31%
CMY	0.3995, 0.2190, 0.6857
CMYK	0.23, 0.00, 0.60, 0.22
HSL	83°, 52%, 55%
HSV	83°, 60%, 78%
XYZ	35.0717, 48.2781, 15.0850
YIQ	171.6800, 10.7830, -46.7610

Conversions

Conversions Part 2

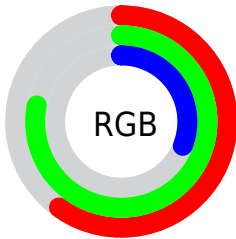
Format	Color
RYB	80, 199, 126
Decimal	10078032
CIELab	75.00, -33.61, 53.41
CIElCh	75, 63.106, 122.186
Yxy	48.2781, 0.3563, 0.4905
Android (android.graphics.Color)	4288268112 (0xFF99C750)
YUV	171.6800, -45.1982, -16.3824
Hunter-Lab	69.4824, -31.4954, 35.7655

Details

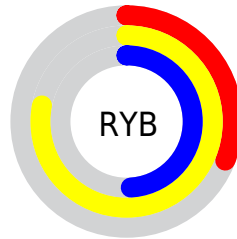
The CIELCh color **75, 63.106, 122.186** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **45, 71.014, 308.830**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 62.727, 121.877**, and **55, 63.155, 122.366** is the 20% darker color. If you saturate the color by 10%, you get **74, 71.688, 122.048**, and if you desaturate by 10%, it is **76, 53.504, 122.526**.

Distribution



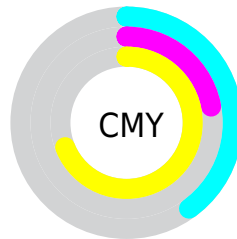
- Red (60%)
- Green (78%)
- Blue (31%)



- Red (31%)
- Yellow (78%)
- Blue (49%)



- Cyan (23%)
- Magenta (0%)
- Yellow (60%)
- Black (22%)





- Cyan (40%)
- Magenta (22%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 63.106, 122.186 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, 63.106, 122.186 by changing the saturation by 10% instead.


 75, 63.106,
122.186


 75, 63.106,
122.186


 100, 63.106,
122.186


 65, 63.106,
122.186


 95, 63.106,
122.186

 55, 63.106,
122.186

 45, 63.106,
122.186

 35, 63.106,
122.186

 25, 63.106,
122.186

 15, 63.106,
122.186

 5, 63.106, 122.186

0, 63.106, 122.186

75, 63.106,
122.186

75, 63.106,
122.186

74, 71.688,
122.048

76, 53.504,
122.526

74, 78.782,
122.222

76, 43.244,
122.979

73, 83.937,
122.825

77, 32.586,
123.487

73, 87.215,
123.848

78, 21.707,
124.012

73, 87.287,
123.872

79, 10.726,
124.533

80, 0.273, 304.733

■ 81, 11.233,
305.483

■ 83, 22.111,
305.921

■ 84, 30.665,
307.278

Harmonies

Complementary

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



75, 63.106, 122.186



45, 71.014, 308.830

Rectangle

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



75, 63.106, 122.186



75, 63.106, 172.186



75, 63.106, 302.186



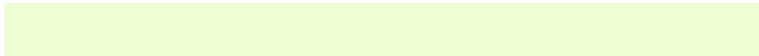
75, 63.106, 352.186

Sweetspot

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



75, 63.107, 122.187



98, 24.173, 124.091



60, 43.615, 56.624



52, 16.789, 123.936



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, 63.107, 122.187



93, 89.398, 122.065



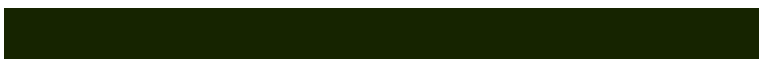
72, 72.588, 137.107



42, 6.225, 124.553



61, 75.162, 123.639



12, 21.961, 126.813

Inverse Universe

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



45, 71.014, 308.830



49, 103.835, 309.604



52, 72.940, 323.794



39, 6.329, 305.485



23, 91.404, 309.729



2, 21.996, 302.100

Previews

White Background



This preview shows how the CIELCh color 75, 63.106, 122.186 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 CIE LCh color 75, 63.106, 122.186 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, 63.106, 122.186

Background



This preview shows how black text looks on a background with the CIELCh color 75, 63.106, 122.186.



This preview shows how white text looks on a background with the CIELCh color 75, 63.106, 122.186.

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, 63.106, 122.186

Protanopia
75, 56.231, 95.321

Deuteranopia
75, 52.358, 79.473



Tritanopia
75, 10.116, 252.524

Trichromacy



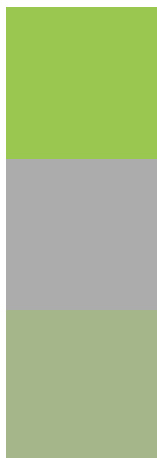
Original Color
75, 63.106, 122.186

Protanomaly
75, 57.011, 106.479

Deuteranomaly
74, 51.828, 97.430

Tritanomaly
75, 20.774, 139.368

Monochromacy



Original Color
75, 63.106, 122.186

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 24.144, 124.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 63.106, 122.186 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, 199, 80)` looks like.

```
.text, #text, p{  
    color:rgb(153, 199, 80)  
}
```

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, 199, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 199, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 63.106, 122.186 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, 199, 80) }
```

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

```
.border{ border-color:rgb(153, 199, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 199, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 199, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 199, 80);  
box-shadow:4px 4px 4px 4px rgb(153, 199,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 63.106, 122.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 199, 80) }
```

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

```
.background{ background-color: rgb(153,  
199, 80) }
```

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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