

Converting Colors

CIELCh(75, 49.937, 129.856)

Have a look what the booklet for
CIELCh(75, 49.937, 129.856)
contains.

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Color

CIELCh(75, 49.866, 129.993)

Conversions

Conversions Part 1

Format	Color
Hex	94C770
RGB	148, 199, 112
RGB Percent	58%, 78%, 44%
CMY	0.4198, 0.2198, 0.5610
CMYK	0.26, 0.00, 0.44, 0.22
HSL	95°, 44%, 61%
HSV	95°, 44%, 78%
XYZ	35.5331, 48.2781, 22.7586
YIQ	173.8330, -2.4690, -37.8690

Conversions

Conversions Part 2

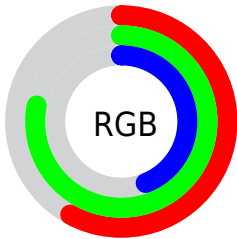
Format	Color
RYB	112, 199, 163
Decimal	9750384
CIELab	75.00, -32.05, 38.20
CIELCh	75, 49.866, 129.993
Yxy	48.2781, 0.3334, 0.4530
Android (android.graphics.Color)	4287940464 (0xFF94C770)
YUV	173.8330, -30.4837, -22.6555
Hunter-Lab	69.4824, -30.3099, 29.2176

Details

The CIELCh color **75, 49.866, 129.993** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **56, 52.403, 313.994**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 49.240, 129.719**, and **55, 49.889, 129.992** is the 20% darker color. If you saturate the color by 10%, you get **74, 60.531, 129.557**, and if you desaturate by 10%, it is **76, 38.720, 130.480**.

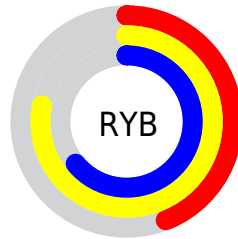
Distribution



Red (58%)

Green (78%)

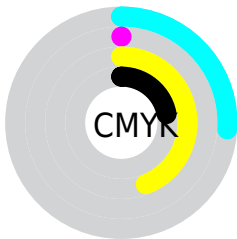
Blue (44%)



Red (44%)

Yellow (78%)

Blue (64%)

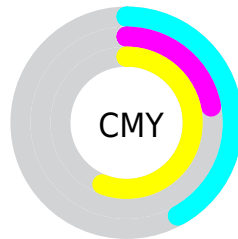


Cyan (26%)

Magenta (0%)

Yellow (44%)

Black (22%)



Cyan (42%)


Magenta (22%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 49.866, 129.993 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 75, 49.866, 129.993 by changing the saturation by 10% instead.

 75, 49.866,
129.993


 75, 49.866,
129.993


 100, 49.866,
129.993

 65, 49.866,
129.993


 95, 49.866,
129.993

 55, 49.866,
129.993

 45, 49.866,
129.993

 35, 49.866,
129.993

 25, 49.866,
129.993

 15, 49.866,
129.993

 5, 49.866, 129.993

0, 49.866, 129.993

75, 49.866,
129.993

75, 49.866,
129.993

74, 60.531,
129.557

76, 38.720,
130.480

73, 70.397,
129.239

77, 27.309,
130.971

73, 79.048,
129.141

78, 15.789,
131.444

72, 85.991,
129.392

80, 4.270, 131.905

72, 90.826,
130.100

81, 7.170, 312.247

71, 93.008,
130.689

83, 18.477,
312.616

84, 29.612,

312.936

■ 85, 32.926,
318.393

■ 86, 34.786,
324.595

Harmonies

Complementary

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



75, 49.866, 129.993



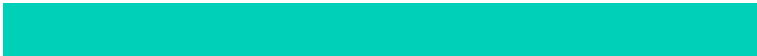
56, 52.403, 313.994

Rectangle

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



75, 49.866, 129.993



75, 49.866, 179.993



75, 49.866, 309.993



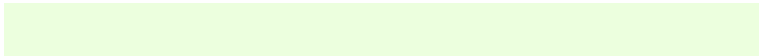
75, 49.866, 359.993

Sweetspot

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



75, 49.867, 129.994



98, 18.285, 131.469



69, 32.049, 78.084



52, 12.800, 131.365



0, 0.000, 0.000



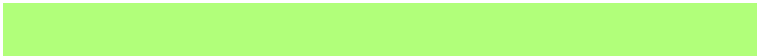
53, 0.007, 296.813

Same Dimension

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



75, 49.867, 129.994



93, 71.765, 129.596



73, 53.410, 143.269



41, 6.512, 131.642



59, 80.099, 130.466



12, 23.594, 134.380

Inverse Universe

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



56, 52.403, 313.994



65, 76.219, 314.376



59, 53.253, 329.262



39, 6.585, 312.403



27, 87.654, 314.139



3, 22.780, 309.205

Previews

White Background



This preview shows how the CIELCh color 75, 49.866, 129.993 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 75, 49.866, 129.993 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 75, 49.866, 129.993

Background



This preview shows how black text looks on a background with the CIELCh color 75, 49.866, 129.993.



This preview shows how white text looks on a background with the CIELCh color 75, 49.866, 129.993.

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](#).

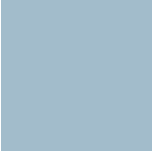
Dichromacy



Original Color
75, 49.866, 129.993

Protanopia
75, 41.933, 95.577

Deuteranopia
75, 37.687, 75.527



Tritanopia
75, 11.896, 242.040

Trichromacy



Original Color
75, 49.866, 129.993

Protanomaly
74, 42.588, 110.059

Deuteranomaly
74, 36.908, 99.385

Tritanomaly
75, 17.673, 155.915

Monochromacy



Original Color
75, 49.866, 129.993

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 18.682, 130.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 49.866, 129.993 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(148, 199, 112)` looks like.

```
.text, #text, p{  
    color:rgb(148, 199, 112)  
}
```

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(148, 199, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 199, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 49.866, 129.993 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(148, 199, 112) }
```

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

```
.border{ border-color:rgb(148, 199, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 199, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 199, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 199, 112);  
box-shadow:4px 4px 4px 4px rgb(148, 199,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 49.866, 129.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 199, 112) }
```

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

```
.background{ background-color: rgb(148,  
199, 112) }
```

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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