

Converting Colors

CIELCh(75, 54.479, 123.108)

Have a look what the booklet for
CIELCh(75, 54.479, 123.108)
contains.

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Color

CIELCh(75, 54.745, 123.234)

Conversions

Conversions Part 1

Format	Color
Hex	9DC661
RGB	157, 198, 97
RGB Percent	62%, 78%, 38%
CMY	0.3853, 0.2245, 0.6205
CMYK	0.21, 0.00, 0.51, 0.22
HSL	84°, 47%, 58%
HSV	84°, 51%, 78%
XYZ	36.1418, 48.2781, 18.6672
YIQ	174.2270, 7.9850, -40.1030

Conversions

Conversions Part 2

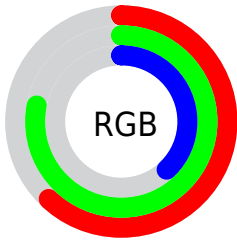
Format	Color
R_{YB}	97, 198, 138
Decimal	10339937
CIE _{Lab}	75.00, -30.00, 45.79
CIE _{LCh}	75, 54.745, 123.234
Yxy	48.2781, 0.3506, 0.4683
Android (android.graphics.Color)	4288530017 (0xFF9DC661)
YUV	174.2270, -38.0729, -15.1081
Hunter-Lab	69.4824, -28.7462, 32.7088

Details

The CIELCh color **75, 54.745, 123.234** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **49, 60.136, 308.803**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 54.802, 123.403**, and **55, 54.704, 123.316** is the 20% darker color. If you saturate the color by 10%, you get **74, 64.247, 122.923**, and if you desaturate by 10%, it is **76, 44.555, 123.670**.

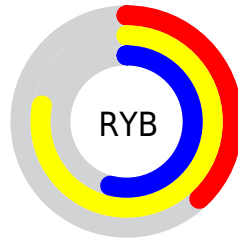
Distribution



Red (62%)

Green (78%)

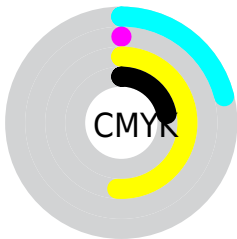
Blue (38%)



Red (38%)

Yellow (78%)

Blue (54%)

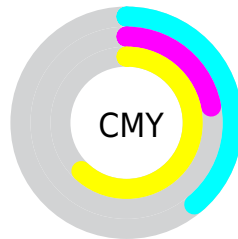


Cyan (21%)

Magenta (0%)

Yellow (51%)

Black (22%)



Cyan (39%)


Magenta (22%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 54.745, 123.234 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, 54.745, 123.234 by changing the saturation by 10% instead.


 75, 54.745,
123.234


 75, 54.745,
123.234


 100, 54.745,
123.234


 65, 54.745,
123.234


 95, 54.745,
123.234

 55, 54.745,
123.234

 45, 54.745,
123.234

 35, 54.745,
123.234

 25, 54.745,
123.234

 15, 54.745,
123.234

 5, 54.745, 123.234

0, 54.745, 123.234

75, 54.745,
123.234

75, 54.745,
123.234

74, 64.247,
122.923

76, 44.555,
123.670

74, 72.679,
122.824

77, 33.943,
124.164

73, 79.575,
123.053

78, 23.096,
124.679

73, 84.502,
123.729

79, 12.138,
125.190

72, 87.393,
124.667

80, 1.158, 125.744

81, 9.784, 306.120

82, 20.644,

306.550

■ 83, 31.391,
306.942

■ 84, 32.149,
311.687

Harmonies

Complementary

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



75, 54.745, 123.234



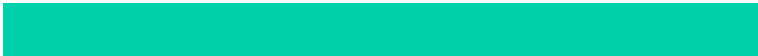
49, 60.136, 308.803

Rectangle

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



75, 54.745, 123.234



75, 54.745, 173.234



75, 54.745, 303.234



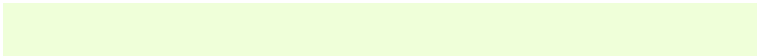
75, 54.745, 353.234

Sweetspot

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



75, 54.746, 123.235



98, 20.229, 124.979



62, 36.010, 58.971



52, 13.800, 124.869



0, 0.000, 0.000



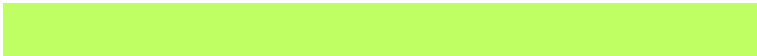
53, 0.007, 296.813

Same Dimension

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



75, 54.746, 123.235



93, 78.731, 122.905



72, 63.066, 138.203



42, 6.249, 125.275



61, 75.643, 124.439



12, 22.110, 127.661

Inverse Universe

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



49, 60.136, 308.803



56, 88.604, 309.504



55, 63.390, 324.037



39, 6.350, 306.180



23, 91.047, 310.075



2, 22.048, 302.713

Previews

White Background



This preview shows how the CIELCh color 75, 54.745, 123.234 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, 54.745, 123.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

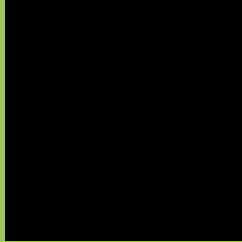
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 54.745, 123.234

Background



This preview shows how black text looks on a background with the CIELCh color 75, 54.745, 123.234.



This preview shows how white text looks on a background with the CIELCh color 75, 54.745, 123.234.

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

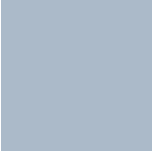
75, 54.745, 123.234

Protanopia

75, 48.793, 95.758

Deuteranopia

75, 45.317, 78.137



Tritanopia
75, 9.549, 257.484

Trichromacy



Original Color
75, 54.745, 123.234

Protanomaly
75, 49.289, 106.942

Deuteranomaly
74, 44.716, 97.013

Tritanomaly
75, 17.213, 140.668

Monochromacy



Original Color
75, 54.745, 123.234

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 20.813, 124.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 54.745, 123.234 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(157, 198, 97)` looks like.

```
.text, #text, p{  
    color:rgb(157, 198, 97)  
}
```

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(157, 198, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 198, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 54.745, 123.234 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(157, 198, 97) }
```

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

```
.border{ border-color:rgb(157, 198, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 198, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 198, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 198, 97);  
box-shadow:4px 4px 4px 4px rgb(157, 198,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 54.745, 123.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 198, 97) }
```

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

```
.background{ background-color: rgb(157,  
198, 97) }
```

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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