

Converting Colors

CIELCh(75, 64.213, 119.953)

Have a look what the booklet for
CIELCh(75, 64.213, 119.953)
contains.

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Color

CIELCh(75, 64.122, 119.963)

Conversions

Conversions Part 1

Format	Color
Hex	9DC64B
RGB	157, 198, 75
RGB Percent	62%, 78%, 29%
CMY	0.3828, 0.2220, 0.7045
CMYK	0.21, 0.00, 0.62, 0.22
HSL	80°, 52%, 54%
HSV	80°, 62%, 78%
XYZ	35.5401, 48.2781, 14.1668
YIQ	171.7190, 15.0470, -46.9450

Conversions

Conversions Part 2

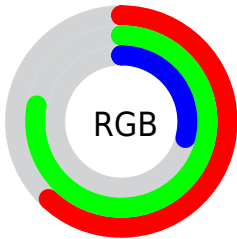
Format	Color
RYB	75, 198, 116
Decimal	10339915
CIELab	75.00, -32.03, 55.55
CIElCh	75, 64.122, 119.963
Yxy	48.2781, 0.3627, 0.4927
Android (android.graphics.Color)	4288529995 (0xFF9DC64B)
YUV	171.7190, -47.6825, -12.9086
Hunter-Lab	69.4824, -30.2920, 36.5491

Details

The CIELCh color **75, 64.122, 119.963** 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 **43, 73.510, 307.554**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 64.029, 120.048**, and **55, 64.117, 120.024** is the 20% darker color. If you saturate the color by 10%, you get **74, 72.223, 119.853**, and if you desaturate by 10%, it is **76, 54.897, 120.295**.

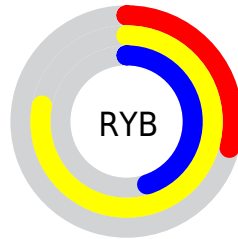
Distribution



Red (62%)

Green (78%)

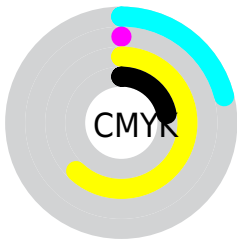
Blue (29%)



Red (29%)

Yellow (78%)

Blue (45%)

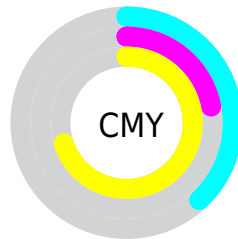


Cyan (21%)

Magenta (0%)

Yellow (62%)

Black (22%)



Cyan (38%)


Magenta (22%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 64.122, 119.963 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, 64.122, 119.963 by changing the saturation by 10% instead.


 75, 64.122,
119.963

 75, 64.122,
119.963


 100, 64.122,
119.963


 65, 64.122,
119.963


 95, 64.122,
119.963

 55, 64.122,
119.963

 45, 64.122,
119.963

 35, 64.122,
119.963

 25, 64.122,
119.963

 15, 64.122,
119.963

 5, 64.122, 119.963

0, 64.122, 119.963

75, 64.122,
119.963

75, 64.122,
119.963

74, 72.223,
119.853

76, 54.897,
120.295

74, 78.722,
120.072

76, 44.937,
120.757

74, 83.202,
120.730

77, 34.522,
121.287

73, 85.532,
121.524

78, 23.845,
121.845

79, 13.033,
122.404

80, 2.173, 122.969

■ 81, 8.672, 303.450

■ 82, 19.460,
303.938

■ 83, 30.159,
304.390

Harmonies

Complementary

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



75, 64.122, 119.963



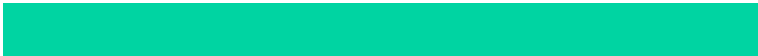
43, 73.510, 307.554

Rectangle

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



75, 64.122, 119.963



75, 64.122, 169.963



75, 64.122, 299.963



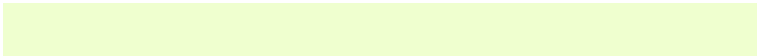
75, 64.122, 349.963

Sweetspot

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



75, 64.123, 119.965



98, 25.255, 121.998



57, 46.269, 50.335



52, 17.368, 121.835



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, 64.123, 119.965



93, 89.914, 119.880



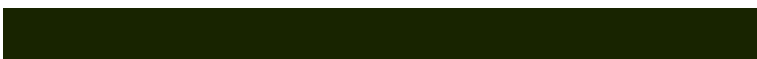
72, 73.337, 135.509



42, 6.166, 122.550



61, 73.888, 121.308



12, 21.574, 124.375

Inverse Universe

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



43, 73.510, 307.554



47, 106.868, 308.474



50, 74.519, 321.762



39, 6.277, 303.566



22, 92.341, 308.876



2, 21.873, 300.518

Previews

White Background



This preview shows how the CIELCh color 75, 64.122, 119.963 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, 64.122, 119.963 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, 64.122, 119.963

Background



This preview shows how black text looks on a background with the CIELCh color 75, 64.122, 119.963.



This preview shows how white text looks on a background with the CIELCh color 75, 64.122, 119.963.

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, 64.122, 119.963

Protanopia

75, 58.366, 95.432

Deuteranopia

75, 54.765, 79.839



Tritanopia
75, 9.205, 261.134

Trichromacy



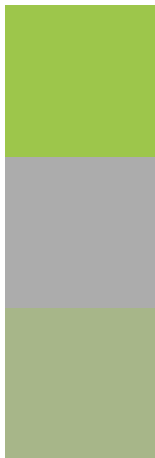
Original Color
75, 64.122, 119.963

Protanomaly
75, 58.713, 104.983

Deuteranomaly
74, 54.234, 96.585

Tritanomaly
75, 21.457, 133.843

Monochromacy



Original Color
75, 64.122, 119.963

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 24.951, 121.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 64.122, 119.963 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(157, 198, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 198, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 64.122, 119.963 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, 75) }
```

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

```
.border{ border-color:rgb(157, 198, 75) }
```

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, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 198, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 198, 75);  
box-shadow:4px 4px 4px 4px rgb(157, 198,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 64.122, 119.963 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, 75) }
```

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

```
.background{ background-color: rgb(157,  
198, 75) }
```

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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