

Converting Colors

CIELCh(75, 63.526, 120.444)

Have a look what the booklet for
CIELCh(75, 63.526, 120.444)
contains.

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Color

CIELCh(75, 63.315, 120.217)

Conversions

Conversions Part 1

Format	Color
Hex	9DC64D
RGB	157, 198, 77
RGB Percent	62%, 78%, 30%
CMY	0.3830, 0.2222, 0.6968
CMYK	0.21, 0.00, 0.61, 0.22
HSL	80°, 52%, 54%
HSV	80°, 61%, 78%
XYZ	35.5875, 48.2781, 14.5219
YIQ	171.9470, 14.4050, -46.3230

Conversions

Conversions Part 2

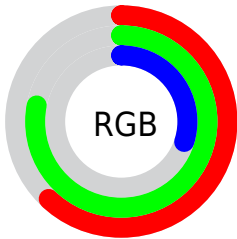
Format	Color
RYB	77, 198, 118
Decimal	10339917
CIELab	75.00, -31.86, 54.71
CIELCh	75, 63.315, 120.217
Yxy	48.2781, 0.3617, 0.4907
Android (android.graphics.Color)	4288529997 (0xFF9DC64D)
YUV	171.9470, -46.8089, -13.1085
Hunter-Lab	69.4824, -30.1702, 36.2460

Details

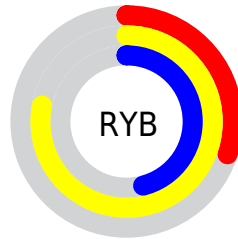
The CIELCh color **75, 63.315, 120.217** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **43, 72.293, 307.621**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 63.593, 120.173**, and **55, 63.298, 120.320** is the 20% darker color. If you saturate the color by 10%, you get **74, 71.564, 120.085**, and if you desaturate by 10%, it is **76, 53.988, 120.562**.

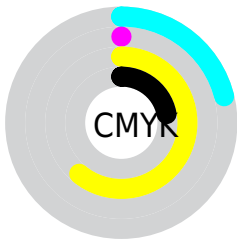
Distribution



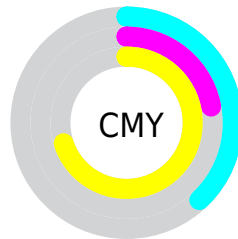
- Red (62%)
- Green (78%)
- Blue (30%)



- Red (30%)
- Yellow (78%)
- Blue (46%)



- Cyan (21%)
- Magenta (0%)
- Yellow (61%)
- Black (22%)





- Cyan (38%)
- Magenta (22%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 63.315, 120.217 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, 63.315, 120.217 by changing the saturation by 10% instead.


 75, 63.315,
120.217


 75, 63.315,
120.217


 100, 63.315,
120.217


 65, 63.315,
120.217


 95, 63.315,
120.217


 55, 63.315,
120.217

 45, 63.315,
120.217

 35, 63.315,
120.217

 25, 63.315,
120.217

 15, 63.315,
120.217

 5, 63.315, 120.217

■ 0, 63.315, 120.217

■ 75, 63.315,
120.217

■ 75, 63.315,
120.217

■ 74, 71.564,
120.085

■ 76, 53.988,
120.562

■ 74, 78.260,
120.271

■ 76, 43.959,
121.029

■ 73, 82.971,
120.888

■ 77, 33.500,
121.560

■ 73, 85.667,
121.776

■ 78, 22.793,
122.115

■ 79, 11.964,
122.670

■ 80, 1.095, 123.256

■ 81, 9.753, 303.701

■ 82, 20.538,
304.181

■ 83, 30.814,
304.775

Harmonies

Complementary

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



75, 63.315, 120.217



43, 72.293, 307.621

Rectangle

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



75, 63.315, 120.217



75, 63.315, 170.217



75, 63.315, 300.217



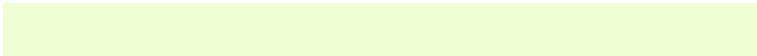
75, 63.315, 350.217

Sweetspot

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



75, 63.316, 120.219



98, 23.955, 122.268



58, 45.112, 51.872



52, 16.635, 122.103



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, 63.316, 120.219



93, 89.184, 120.102



72, 72.656, 135.946



42, 6.172, 122.759



61, 74.016, 121.559



12, 21.612, 124.635

Inverse Universe

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



43, 72.293, 307.621



47, 105.518, 308.539



51, 73.610, 322.262



39, 6.282, 303.766



22, 92.247, 308.958



2, 21.885, 300.675

Previews

White Background



This preview shows how the CIELCh color 75, 63.315, 120.217 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, 63.315, 120.217 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, 63.315, 120.217

Background



This preview shows how black text looks on a background with the CIELCh color 75, 63.315, 120.217.

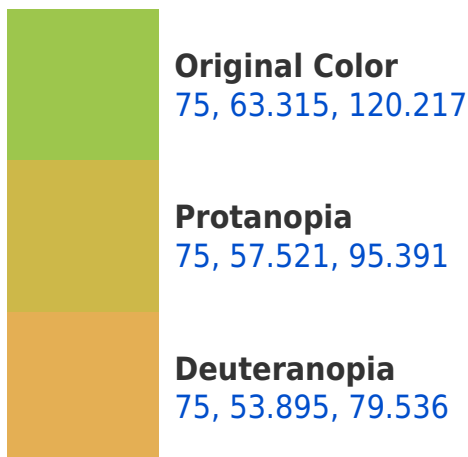


This preview shows how white text looks on a background with the CIELCh color 75, 63.315, 120.217.

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





Tritanopia
75, 9.373, 259.273

Trichromacy



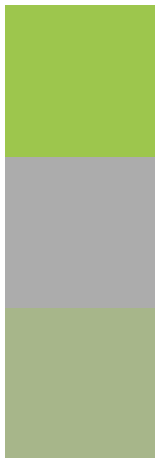
Original Color
75, 63.315, 120.217

Protanomaly
75, 57.864, 105.068

Deuteranomaly
74, 52.985, 96.021

Tritanomaly
74, 20.339, 134.202

Monochromacy



Original Color
75, 63.315, 120.217

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 24.436, 122.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 63.315, 120.217 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(157, 198, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 198, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 63.315, 120.217 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, 77) }
```

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

```
.border{ border-color:rgb(157, 198, 77) }
```

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, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 198, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 198, 77);  
box-shadow:4px 4px 4px 4px rgb(157, 198,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 63.315, 120.217 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, 77) }
```

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

```
.background{ background-color: rgb(157,  
198, 77) }
```

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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