

Converting Colors

CIELCh(75, 62.787, 120.025)

Have a look what the booklet for
CIELCh(75, 62.787, 120.025)
contains.

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Color

CIELCh(75, 62.789, 120.001)

Conversions

Conversions Part 1

Format	Color
Hex	9EC64E
RGB	158, 198, 78
RGB Percent	62%, 78%, 31%
CMY	0.3799, 0.2230, 0.6936
CMYK	0.20, 0.00, 0.61, 0.22
HSL	80°, 51%, 54%
HSV	80°, 61%, 78%
XYZ	35.7268, 48.2781, 14.6656
YIQ	172.3600, 14.6800, -45.8000

Conversions

Conversions Part 2

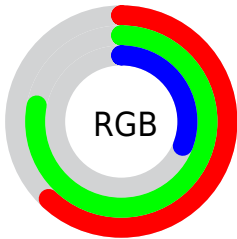
Format	Color
RYB	78, 198, 118
Decimal	10405454
CIELab	75.00, -31.40, 54.38
CIELCh	75, 62.789, 120.001
Yxy	48.2781, 0.3621, 0.4893
Android (android.graphics.Color)	4288595534 (0xFF9EC64E)
YUV	172.3600, -46.5195, -12.5937
Hunter-Lab	69.4824, -29.8124, 36.1235

Details

The CIELCh color **75, 62.789, 120.001** 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, 71.696, 307.439**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 63.051, 119.968**, and **55, 62.936, 120.049** is the 20% darker color. If you saturate the color by 10%, you get **74, 71.073, 119.853**, and if you desaturate by 10%, it is **76, 53.446, 120.357**.

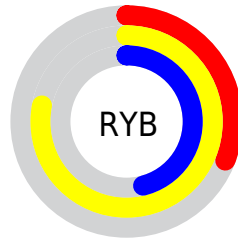
Distribution



Red (62%)

Green (78%)

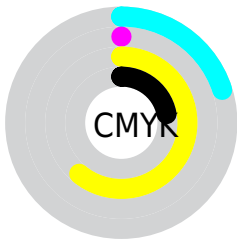
Blue (31%)



Red (31%)

Yellow (78%)

Blue (46%)

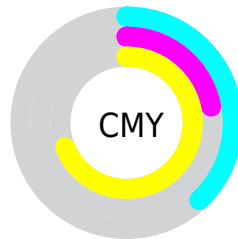


Cyan (20%)

Magenta (0%)

Yellow (61%)

Black (22%)



Cyan (38%)


Magenta (22%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 62.789, 120.001 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, 62.789, 120.001 by changing the saturation by 10% instead.


 75, 62.789,
120.001


 75, 62.789,
120.001


 100, 62.789,
120.001


 65, 62.789,
120.001


 95, 62.789,
120.001

 55, 62.789,
120.001

 45, 62.789,
120.001

 35, 62.789,
120.001

 25, 62.789,
120.001

 15, 62.789,
120.001

 5, 62.789, 120.001

■ 0, 62.789, 120.001

■ 75, 62.789,
120.001

■ 75, 62.789,
120.001

■ 74, 71.073,
119.853

■ 76, 53.446,
120.357

■ 74, 77.826,
120.017

■ 76, 43.415,
120.832

■ 73, 82.610,
120.606

■ 77, 32.964,
121.368

■ 73, 85.451,
121.524

■ 78, 22.271,
121.927

■ 79, 11.458,
122.485

■ 80, 0.609, 123.117

■ 81, 10.220,
303.524

■ 82, 20.985,
304.007

■ 83, 30.920,
304.714

Harmonies

Complementary

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



75, 62.789, 120.001



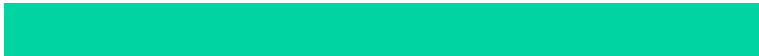
43, 71.696, 307.439

Rectangle

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



75, 62.789, 120.001



75, 62.789, 170.001



75, 62.789, 300.001



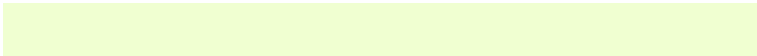
75, 62.789, 350.001

Sweetspot

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



75, 62.790, 120.003



98, 23.931, 122.056



58, 44.678, 51.889



52, 16.618, 121.890



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, 62.790, 120.003



93, 89.063, 119.869



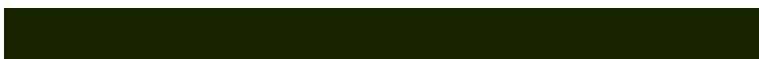
72, 72.142, 135.977



42, 6.166, 122.551



61, 73.888, 121.309



12, 21.574, 124.376

Inverse Universe

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



43, 71.696, 307.439



47, 105.564, 308.416



51, 73.098, 322.252



39, 6.277, 303.567



22, 92.341, 308.877



2, 21.873, 300.519

Previews

White Background



This preview shows how the CIELCh color 75, 62.789, 120.001 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, 62.789, 120.001 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, 62.789, 120.001

Background



This preview shows how black text looks on a background with the CIELCh color 75, 62.789, 120.001.



This preview shows how white text looks on a background with the CIELCh color 75, 62.789, 120.001.

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, 62.789, 120.001

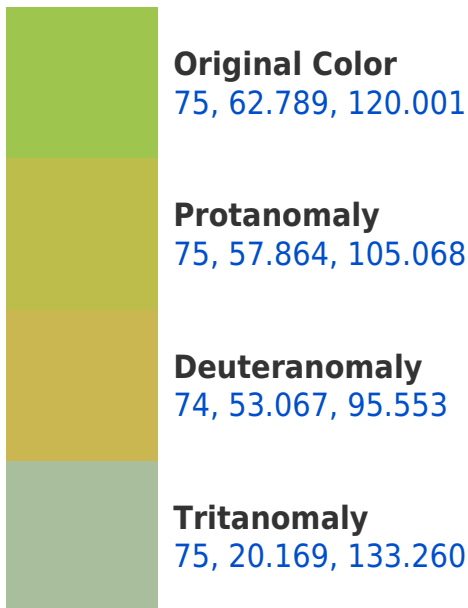
Protanopia
75, 57.094, 95.369

Deuteranopia
75, 53.458, 79.379

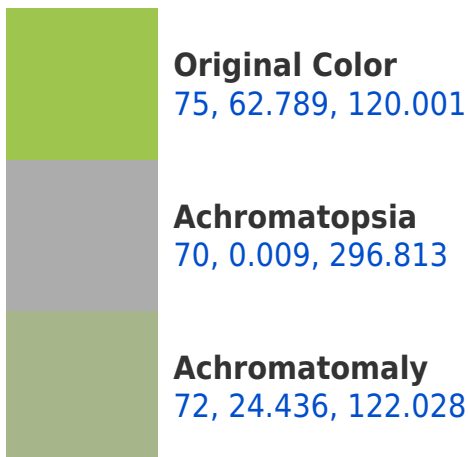


Tritanopia
75, 8.747, 259.269

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 62.789, 120.001 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(158, 198, 78)` looks like.

```
.text, #text, p{  
    color:rgb(158, 198, 78)  
}
```

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(158, 198, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 198, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 62.789, 120.001 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(158, 198, 78) }
```

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

```
.border{ border-color:rgb(158, 198, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 198, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 198, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 198, 78);  
box-shadow:4px 4px 4px 4px rgb(158, 198,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 62.789, 120.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 198, 78) }
```

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

```
.background{ background-color: rgb(158,  
198, 78) }
```

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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