

Converting Colors

CIELCh(75, 61.711, 118.004)

Have a look what the booklet for
CIELCh(75, 61.711, 118.004)
contains.

CIELCh(75, 61.729, 117.986)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(75, 61.729, 117.986)

Conversions

Conversions Part 1

Format	Color
Hex	A3C54E
RGB	163, 197, 78
RGB Percent	64%, 77%, 31%
CMY	0.3607, 0.2274, 0.6940
CMYK	0.17, 0.00, 0.60, 0.23
HSL	77°, 51%, 54%
HSV	77°, 60%, 77%
XYZ	36.4530, 48.2781, 14.6080
YIQ	173.2680, 17.9350, -44.2170

Conversions

Conversions Part 2

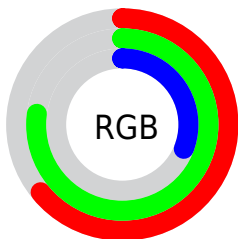
Format	Color
RYB	78, 197, 112
Decimal	10732878
CIELab	75.00, -28.97, 54.51
CIELCh	75, 61.729, 117.986
Yxy	48.2781, 0.3670, 0.4860
Android (android.graphics.Color)	4288922958 (0xFFA3C54E)
YUV	173.2680, -46.9671, -9.0050
Hunter-Lab	69.4824, -27.9466, 36.1725

Details

The CIELCh color **75, 61.729, 117.986** 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, 71.194, 306.170**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 62.053, 118.046**, and **55, 61.585, 118.042** is the 20% darker color. If you saturate the color by 10%, you get **74, 69.864, 117.790**, and if you desaturate by 10%, it is **76, 52.537, 118.383**.

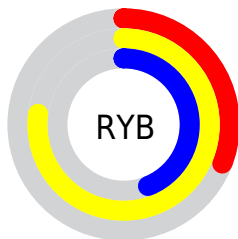
Distribution



Red (64%)

Green (77%)

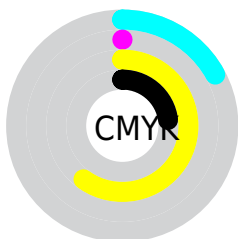
Blue (31%)



Red (31%)

Yellow (77%)

Blue (44%)

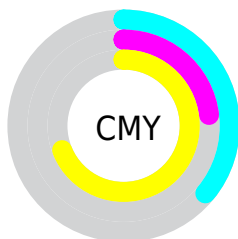


Cyan (17%)

Magenta (0%)

Yellow (60%)

Black (23%)



Cyan (36%)


Magenta (23%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 61.729, 117.986 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, 61.729, 117.986 by changing the saturation by 10% instead.


 75, 61.729,
117.986


 75, 61.729,
117.986


 100, 61.729,
117.986


 65, 61.729,
117.986


 95, 61.729,
117.986

 55, 61.729,
117.986

 45, 61.729,
117.986

 35, 61.729,
117.986

 25, 61.729,
117.986

 15, 61.729,
117.986

 5, 61.729, 117.986

0, 61.729, 117.986

75, 61.729,
117.986

75, 61.729,
117.986

74, 69.864,
117.790

76, 52.537,
118.383

74, 76.472,
117.892

76, 42.659,
118.895

74, 81.112,
118.398

77, 32.358,
119.469

73, 83.845,
119.244

78, 21.811,
120.067

79, 11.138,
120.666

79, 0.420, 121.344

■ 80, 10.288,
301.792

■ 82, 20.945,
302.317

■ 83, 31.348,
302.857

Harmonies

Complementary

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



75, 61.729, 117.986



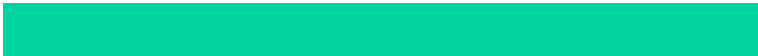
43, 71.194, 306.170

Rectangle

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



75, 61.729, 117.986



75, 61.729, 167.986



75, 61.729, 297.986



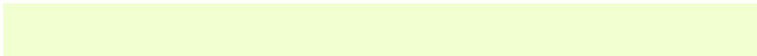
75, 61.729, 347.986

Sweetspot

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



75, 61.730, 117.988



98, 23.742, 120.195



56, 45.156, 47.409



52, 16.484, 120.017



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, 61.730, 117.988



94, 87.215, 117.783



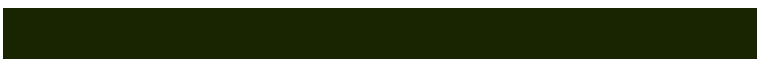
72, 70.649, 134.832



42, 6.120, 120.726



62, 72.827, 119.051



12, 21.259, 122.057

Inverse Universe

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



43, 71.194, 306.170



47, 104.613, 307.302



50, 72.281, 320.688



39, 6.237, 301.829



21, 93.114, 308.228



2, 21.787, 299.225

Previews

White Background



This preview shows how the CIELCh color 75, 61.729, 117.986 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, 61.729, 117.986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

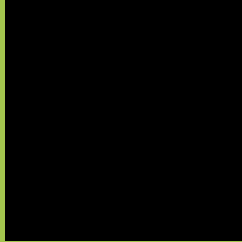
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 61.729, 117.986

Background



This preview shows how black text looks on a background with the CIELCh color 75, 61.729, 117.986.



This preview shows how white text looks on a background with the CIELCh color 75, 61.729, 117.986.

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](#).

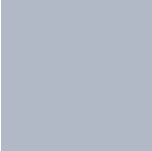
Dichromacy



Original Color
75, 61.729, 117.986

Protanopia
75, 57.094, 95.369

Deuteranopia
75, 53.895, 79.536



Tritanopia
75, 8.022, 270.132

Trichromacy



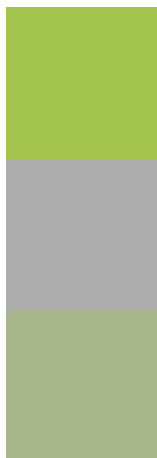
Original Color
75, 61.729, 117.986

Protanomaly
75, 57.868, 104.208

Deuteranomaly
74, 53.152, 95.085

Tritanomaly
75, 19.425, 128.265

Monochromacy



Original Color
75, 61.729, 117.986

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 24.240, 120.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 61.729, 117.986 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(163, 197, 78)` looks like.

```
.text, #text, p{  
    color:rgb(163, 197, 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(163, 197, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 197, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 61.729, 117.986 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(163, 197, 78) }
```

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

```
.border{ border-color:rgb(163, 197, 78) }
```

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

Here you see how a box with a 4 pixel rgb(163, 197, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 197, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 197, 78);  
box-shadow:4px 4px 4px 4px rgb(163, 197,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 61.729, 117.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 197, 78) }
```

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

```
.background{ background-color: rgb(163,  
197, 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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