

Converting Colors

CIELCh(77, 71.386, 118.239)

Have a look what the booklet for
CIELCh(77, 71.386, 118.239)
contains.

CIELCh(77, 71.386, 118.239)	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(77, 71.386, 118.239)

Conversions

Conversions Part 1

Format	Color
Hex	A3CD3F
RGB	163, 205, 63
RGB Percent	64%, 80%, 25%
CMY	0.3626, 0.1979, 0.7548
CMYK	0.21, 0.00, 0.69, 0.20
HSL	78°, 58%, 52%
HSV	78°, 69%, 80%
XYZ	37.6124, 51.5317, 12.5975
YIQ	176.2540, 20.5500, -53.0660

Conversions

Conversions Part 2

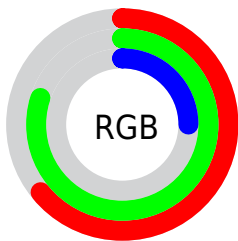
Format	Color
RYB	63, 205, 105
Decimal	10734911
CIELab	77.00, -33.78, 62.89
CIELCh	77, 71.386, 118.239
Yxy	51.5317, 0.3697, 0.5065
Android (android.graphics.Color)	4288924991 (0xFFA3CD3F)
YUV	176.2540, -55.8342, -11.6238
Hunter-Lab	71.7856, -32.0990, 39.8453

Details

The CIELCh color **77, 71.386, 118.239** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **39, 84.467, 307.244**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 68.085, 116.576**, and **57, 68.865, 119.237** is the 20% darker color. If you saturate the color by 10%, you get **77, 78.373, 118.328**, and if you desaturate by 10%, it is **78, 62.867, 118.448**.

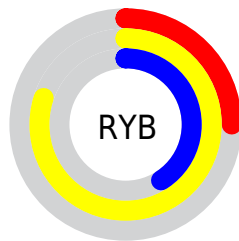
Distribution



Red (64%)

Green (80%)

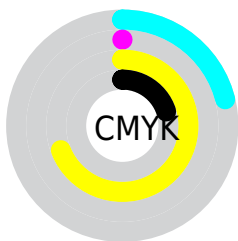
Blue (25%)



Red (25%)

Yellow (80%)

Blue (41%)

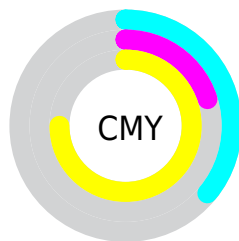


Cyan (21%)

Magenta (0%)

Yellow (69%)

Black (20%)



Cyan (36%)


Magenta (20%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 71.386, 118.239 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 77, 71.386, 118.239 by changing the saturation by 10% instead.

 77, 71.386,
118.239

 77, 71.386,
118.239


 100, 71.386,
118.239

 67, 71.386,
118.239

 97, 71.386,
118.239

 57, 71.386,
118.239

 47, 71.386,
118.239

 37, 71.386,
118.239

 27, 71.386,
118.239

 17, 71.386,
118.239

 7, 71.386, 118.239

0, 71.386, 118.239

77, 71.386,
118.239

77, 71.386,
118.239

77, 78.373,
118.328

78, 62.867,
118.448

76, 83.358,
118.819

78, 53.292,
118.848

76, 86.355,
119.722

79, 43.037,
119.360

76, 86.509,
119.776

80, 32.366,
119.930

80, 21.456,
120.522

81, 10.427,
121.112

■ 82, 0.641, 301.603

■ 83, 11.691,
302.216

■ 84, 22.683,
302.729

Harmonies

Complementary

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



77, 71.386, 118.239



39, 84.467, 307.244

Rectangle

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



77, 71.386, 118.239



77, 71.386, 168.239



77, 71.386, 298.239



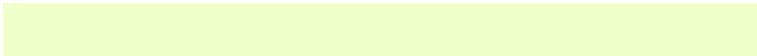
77, 71.386, 348.239

Sweetspot

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



77, 71.387, 118.241



98, 27.720, 120.413



55, 55.161, 47.464



52, 18.743, 120.247



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 71.387, 118.241



93, 95.590, 118.500



74, 81.632, 134.357



43, 6.259, 121.114



62, 73.892, 119.561



13, 22.947, 121.694

Inverse Universe

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



39, 84.467, 307.244



41, 118.009, 308.167



48, 83.407, 320.827



40, 6.377, 302.201



22, 94.038, 308.346



2, 23.880, 300.048

Previews

White Background



This preview shows how the CIELCh color 77, 71.386, 118.239 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 77, 71.386, 118.239 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 77, 71.386, 118.239

Background



This preview shows how black text looks on a background with the CIELCh color 77, 71.386, 118.239.



This preview shows how white text looks on a background with the CIELCh color 77, 71.386, 118.239.

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
77, 71.386, 118.239

Protanopia
77, 65.521, 95.495

Deuteranopia
77, 61.891, 80.913



Tritanopia
77, 9.005, 263.021

Trichromacy



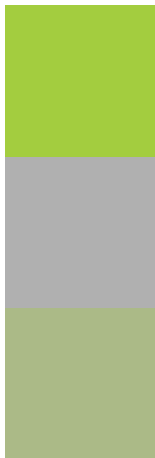
Original Color
77, 71.386, 118.239

Protanomaly
77, 66.219, 104.378

Deuteranomaly
76, 61.531, 96.142

Tritanomaly
76, 24.117, 129.766

Monochromacy



Original Color
77, 71.386, 118.239

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 27.936, 119.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 71.386, 118.239 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, 205, 63)` looks like.

```
.text, #text, p{  
    color:rgb(163, 205, 63)  
}
```

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, 205, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 205, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 71.386, 118.239 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, 205, 63) }
```

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

```
.border{ border-color:rgb(163, 205, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 205, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 205, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 205, 63);  
box-shadow:4px 4px 4px 4px rgb(163, 205,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 71.386, 118.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 205, 63) }
```

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

```
.background{ background-color: rgb(163,  
205, 63) }
```

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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