

Converting Colors

CIELCh(68, 79.115, 122.872)

Have a look what the booklet for
CIELCh(68, 79.115, 122.872)
contains.

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Color

CIELCh(68, 78.949, 122.820)

Conversions

Conversions Part 1

Format	Color
Hex	77B712
RGB	119, 183, 18
RGB Percent	47%, 72%, 7%
CMY	0.5322, 0.2812, 0.9310
CMYK	0.35, 0.00, 0.90, 0.28
HSL	83°, 82%, 39%
HSV	83°, 90%, 72%
XYZ	24.7478, 37.9720, 6.5790
YIQ	145.0540, 14.8210, -64.8830

Conversions

Conversions Part 2

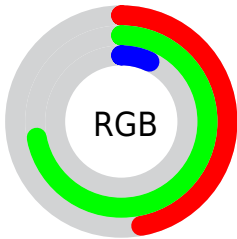
Format	Color
R _Y B	18, 183, 82
Decimal	7845650
CIE Lab	68.00, -42.79, 66.35
CIE LCh	68, 78.949, 122.820
Yxy	37.9720, 0.3571, 0.5479
Android (android.graphics.Color)	4286035730 (0xFF77B712)
YUV	145.0540, -62.6376, -22.8494
Hunter-Lab	61.6215, -36.1500, 36.8050

Details

The CIELCh color **68, 78.949, 122.820** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **28, 94.869, 309.896**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 78.679, 122.861**, and **48, 65.893, 128.176** is the 20% darker color. If you saturate the color by 10%, you get **68, 81.986, 123.764**, and if you desaturate by 10%, it is **68, 74.163, 122.214**.

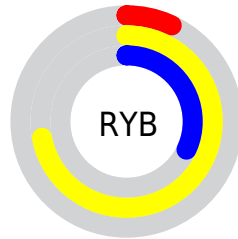
Distribution



Red (47%)

Green (72%)

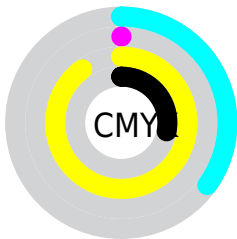
Blue (7%)



Red (7%)

Yellow (72%)

Blue (32%)

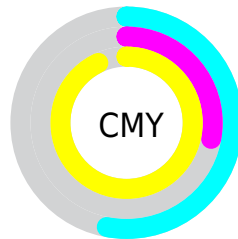


Cyan (35%)

Magenta (0%)

Yellow (90%)

Black (28%)



Cyan (53%)

Magenta (28%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 78.949, 122.820 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 68, 78.949, 122.820 by changing the saturation by 10% instead.

 68, 78.949,
122.820


 68, 78.949,
122.820


 100, 78.949,
122.820

 58, 78.949,
122.820


 88, 78.949,
122.820

 48, 78.949,
122.820

 98, 78.949,
122.820

 38, 78.949,
122.820

 28, 78.949,
122.820

 18, 78.949,
122.820

 8, 78.949, 122.820

 0, 78.949, 122.820

■ 68, 78.949,
122.820

■ 68, 78.949,
122.820

■ 68, 81.986,
123.764

■ 68, 74.163,
122.214

■ 69, 67.569,
122.033

■ 70, 59.582,
122.165

■ 70, 50.632,
122.497

■ 71, 41.061,
122.944

■ 72, 31.112,
123.448

■ 73, 20.951,
123.970

■ 73, 10.691,

124.489

■ 74, 0.410, 125.159

Harmonies

Complementary

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



68, 78.949, 122.820



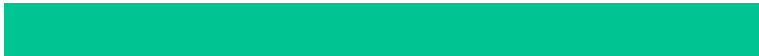
28, 94.869, 309.896

Rectangle

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



68, 78.949, 122.820



68, 78.949, 172.820



68, 78.949, 302.820



68, 78.949, 352.820

Sweetspot

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



68, 78.949, 122.821



91, 34.104, 123.602



47, 64.714, 53.705



48, 23.131, 123.425



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 78.949, 122.821



85, 99.654, 124.029



65, 89.817, 135.471



38, 5.827, 124.544



58, 72.510, 123.561



9, 16.402, 129.316

Inverse Universe

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



28, 94.869, 309.896



35, 121.195, 309.460



41, 88.549, 323.961



36, 5.923, 305.467



21, 88.198, 309.764



1, 15.716, 301.341

Previews

White Background



This preview shows how the CIELCh color 68, 78.949, 122.820 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 68, 78.949, 122.820 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 68, 78.949, 122.820

Background



This preview shows how black text looks on a background with the CIELCh color 68, 78.949, 122.820.



This preview shows how white text looks on a background with the CIELCh color 68, 78.949, 122.820.

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
68, 78.798, 122.870

Protanopia
68, 69.662, 95.004

Deuteranopia
68, 64.282, 82.278



Tritanopia
68, 13.263, 234.451

Trichromacy



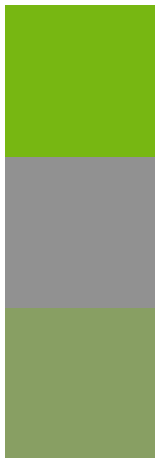
Original Color
68, 78.798, 122.870

Protanomaly
67, 70.991, 106.606

Deuteranomaly
67, 65.349, 99.793

Tritanomaly
67, 33.278, 138.540

Monochromacy



Original Color
68, 78.798, 122.870

Achromatopsia
60, 0.008, 296.813

Achromatomaly
62, 34.215, 122.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 78.949, 122.820 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(119, 183, 18)` looks like.

```
.text, #text, p{  
    color:rgb(119, 183, 18)  
}
```

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(119, 183, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 183, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 78.949, 122.820 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(119, 183, 18) }
```

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

```
.border{ border-color:rgb(119, 183, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 183, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 183, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 183, 18);  
box-shadow:4px 4px 4px 4px rgb(119, 183,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 78.949, 122.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 183, 18) }
```

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

```
.background{ background-color: rgb(119,  
183, 18) }
```

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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