

Converting Colors

CIELCh(72, 77.380, 122.733)

Have a look what the booklet for
CIELCh(72, 77.380, 122.733)
contains.

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Color

CIELCh(72, 77.547, 122.762)

Conversions

Conversions Part 1

Format	Color
Hex	84C227
RGB	132, 194, 39
RGB Percent	52%, 76%, 15%
CMY	0.4822, 0.2390, 0.8468
CMYK	0.32, 0.00, 0.80, 0.24
HSL	84°, 66%, 46%
HSV	84°, 80%, 76%
XYZ	29.1913, 43.6590, 8.8128
YIQ	157.7920, 12.8030, -61.3490

Conversions

Conversions Part 2

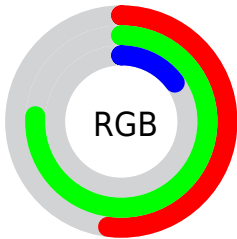
Format	Color
RYB	39, 194, 101
Decimal	8700455
CIELab	72.00, -41.96, 65.21
CIELCh	72, 77.547, 122.762
Yxy	43.6590, 0.3575, 0.5346
Android (android.graphics.Color)	4286890535 (0xFF84C227)
YUV	157.7920, -58.5645, -22.6196
Hunter-Lab	66.0750, -36.7715, 38.3447

Details

The CIELCh color **72, 77.547, 122.762** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **34, 90.944, 310.151**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 77.674, 122.875**, and **52, 68.785, 126.441** is the 20% darker color. If you saturate the color by 10%, you get **72, 82.648, 123.372**, and if you desaturate by 10%, it is **73, 70.554, 122.586**.

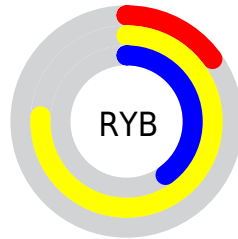
Distribution



Red (52%)

Green (76%)

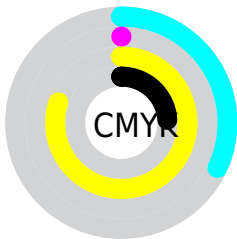
Blue (15%)



Red (15%)

Yellow (76%)

Blue (40%)

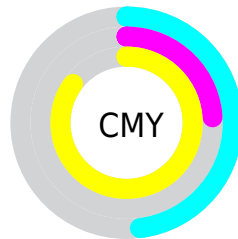


Cyan (32%)

Magenta (0%)

Yellow (80%)

Black (24%)



Cyan (48%)


Magenta (24%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 77.547, 122.762 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 72, 77.547, 122.762 by changing the saturation by 10% instead.


 72, 77.547,
122.762

 72, 77.547,
122.762


 100, 77.547,
122.762


 62, 77.547,
122.762


 92, 77.547,
122.762

 52, 77.547,
122.762

 42, 77.547,
122.762

 32, 77.547,
122.762

 22, 77.547,
122.762

 12, 77.547,
122.762

 2, 77.547, 122.762

■ 0, 77.547, 122.762

■ 72, 77.547,
122.762

■ 72, 77.547,
122.762

■ 72, 82.648,
123.372

■ 73, 70.554,
122.586

■ 71, 85.940,
124.390

■ 73, 62.111,
122.720

■ 71, 85.980,
124.403

■ 74, 52.669,
123.053

■ 75, 42.586,
123.499

■ 75, 32.116,
124.000

■ 76, 21.430,
124.518

■ 77, 10.648,
125.030

■ 78, 0.150, 304.962

■ 80, 10.906,
305.960

Harmonies

Complementary

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



72, 77.547, 122.762



34, 90.944, 310.151

Rectangle

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



72, 77.547, 122.762



72, 77.547, 172.762



72, 77.547, 302.762



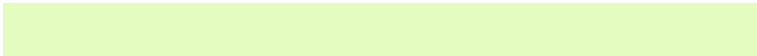
72, 77.547, 352.762

Sweetspot

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



72, 77.547, 122.763



96, 32.017, 124.284



53, 59.428, 56.354



51, 22.147, 124.096



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 77.547, 122.763



90, 103.779, 124.173



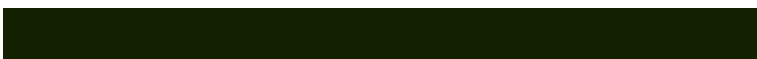
69, 88.559, 135.989



40, 6.109, 125.056



60, 74.612, 124.176



11, 20.387, 128.540

Inverse Universe

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



34, 90.944, 310.151



39, 124.889, 309.877



45, 87.661, 324.619



38, 6.209, 305.966



23, 90.093, 309.981



2, 19.927, 302.042

Previews

White Background



This preview shows how the CIELCh color 72, 77.547, 122.762 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 72, 77.547, 122.762 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 72, 77.547, 122.762

Background



This preview shows how black text looks on a background with the CIELCh color 72, 77.547, 122.762.

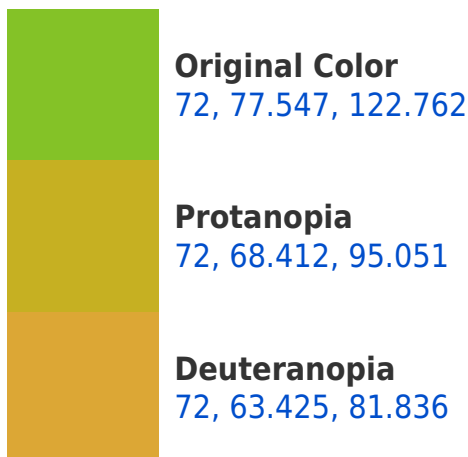


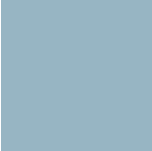
This preview shows how white text looks on a background with the CIELCh color 72, 77.547, 122.762.

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
72, 12.644, 236.030

Trichromacy



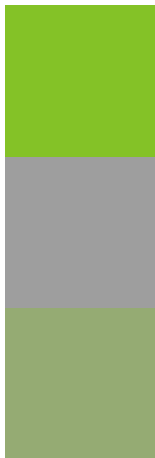
Original Color
72, 77.547, 122.762

Protanomaly
72, 69.633, 106.684

Deuteranomaly
71, 63.858, 99.385

Tritanomaly
71, 30.665, 139.565

Monochromacy



Original Color
72, 77.547, 122.762

Achromatopsia
65, 0.008, 296.813

Achromatomaly
67, 31.674, 123.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 77.547, 122.762 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(132, 194, 39)` looks like.

```
.text, #text, p{  
    color:rgb(132, 194, 39)  
}
```

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(132, 194, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 194, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 77.547, 122.762 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(132, 194, 39) }
```

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

```
.border{ border-color:rgb(132, 194, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 194, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 194, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 194, 39);  
box-shadow:4px 4px 4px 4px rgb(132, 194,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 77.547, 122.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 194, 39) }
```

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

```
.background{ background-color: rgb(132,  
194, 39) }
```

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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