

Converting Colors

CIELCh(72, 23.437, 128.252)

Have a look what the booklet for
CIELCh(72, 23.437, 128.252)
contains.

CIELCh(72, 23.489, 127.620)	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(72, 23.489, 127.620)

Conversions

Conversions Part 1

Format	Color
Hex	A3B78E
RGB	163, 183, 142
RGB Percent	64%, 72%, 56%
CMY	0.3604, 0.2820, 0.4428
CMYK	0.11, 0.00, 0.22, 0.28
HSL	89°, 22%, 64%
HSV	89°, 22%, 72%
XYZ	36.9664, 43.6590, 32.1063
YIQ	172.3460, 1.2410, -16.9910

Conversions

Conversions Part 2

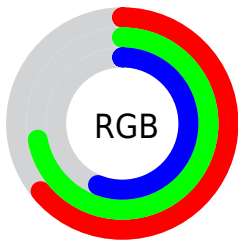
Format	Color
RYB	142, 183, 162
Decimal	10729358
CIELab	72.00, -14.34, 18.61
CIELCh	72, 23.489, 127.620
Yxy	43.6590, 0.3279, 0.3873
Android (android.graphics.Color)	4288919438 (0xFFA3B78E)
YUV	172.3460, -14.9606, -8.1964
Hunter-Lab	66.0750, -15.7673, 17.4430

Details

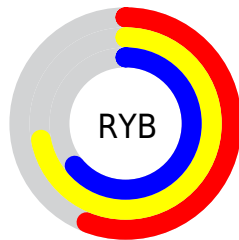
The CIELCh color $72, 23.489, 127.620$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $62, 24.236, 309.704$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 23.443, 127.838$, and $52, 23.218, 127.765$ is the 20% darker color. If you saturate the color by 10%, you get $71, 33.881, 127.137$, and if you desaturate by 10%, it is $73, 13.001, 128.099$.

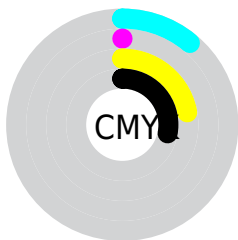
Distribution



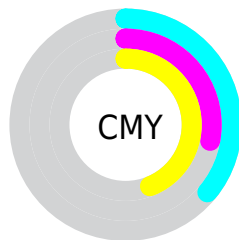
- Red (64%)
- Green (72%)
- Blue (56%)



- Red (56%)
- Yellow (72%)
- Blue (64%)



- Cyan (11%)
- Magenta (0%)
- Yellow (22%)
- Black (28%)





- Cyan (36%)
- Magenta (28%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 23.489, 127.620 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, 23.489, 127.620 by changing the saturation by 10% instead.


 72, 23.489,
127.620


 72, 23.489,
127.620


 100, 23.489,
127.620


 62, 23.489,
127.620


 92, 23.489,
127.620

 52, 23.489,
127.620

 42, 23.489,
127.620

 32, 23.489,
127.620

 22, 23.489,
127.620

 12, 23.489,
127.620

 2, 23.489, 127.620

■ 0, 23.489, 127.620

■ 72, 23.489,
127.620

■ 72, 23.489,
127.620

■ 71, 33.881,
127.137

■ 73, 13.001,
128.099

■ 70, 44.045,
126.667

■ 74, 2.501, 128.583

■ 69, 53.799,
126.254

■ 75, 7.948, 308.944

■ 69, 62.879,
125.962

■ 77, 18.300,
309.333

■ 68, 70.922,
125.886

■ 78, 28.523,
309.682

■ 67, 77.487,
126.148

■ 79, 38.597,
309.995

■ 80, 40.974,

■ 67, 82.181,
126.862

313.458

■ 67, 84.722,
127.626

■ 81, 42.010,
317.447

■ 82, 43.227,
321.288

Harmonies

Complementary

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



72, 23.489, 127.620



62, 24.236, 309.704

Rectangle

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



72, 23.489, 127.620



72, 23.489, 177.620



72, 23.489, 307.620



72, 23.489, 357.620

Sweetspot

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



72, 23.491, 127.622



93, 9.048, 128.346



68, 13.911, 70.893



50, 5.928, 128.318



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



72, 23.491, 127.622



90, 34.908, 127.377



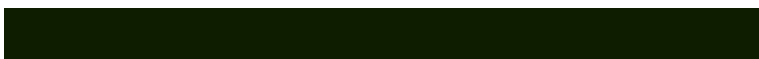
71, 27.206, 142.587



38, 5.952, 128.242



57, 74.960, 127.418



8, 16.834, 132.807

Inverse Universe

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



62, 24.236, 309.704



75, 36.287, 309.972



64, 27.239, 325.177



36, 6.034, 309.051



23, 86.362, 311.774



2, 15.923, 304.501

Previews

White Background



This preview shows how the CIELCh color 72, 23.489, 127.620 looks on a white background.

Color Contrast Check

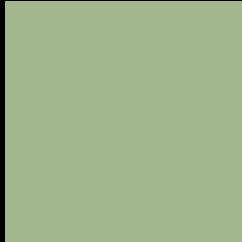
Large Text (above 18pt) WCAG AA × Fail

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, 23.489, 127.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

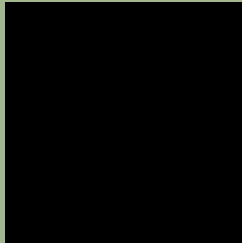
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 23.489, 127.620

Background



This preview shows how black text looks on a background with the CIELCh color 72, 23.489, 127.620.



This preview shows how white text looks on a background with the CIELCh color 72, 23.489, 127.620.

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](#).

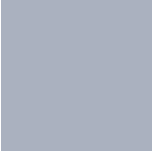
Dichromacy



Original Color
72, 23.489, 127.620

Protanopia
72, 20.599, 94.448

Deuteranopia
72, 19.500, 61.741



Tritanopia
72, 7.974, 272.595

Trichromacy



Original Color
72, 23.489, 127.620

Protanomaly
72, 21.019, 108.096

Deuteranomaly
72, 17.378, 88.110

Tritanomaly
72, 5.570, 163.171

Monochromacy



Original Color
72, 23.489, 127.620

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 8.608, 127.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 23.489, 127.620 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, 183, 142)` looks like.

```
.text, #text, p{  
    color:rgb(163, 183, 142)  
}
```

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, 183, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 183, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 23.489, 127.620 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, 183, 142) }
```

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

```
.border{ border-color:rgb(163, 183, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 183, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 183, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 183, 142);  
box-shadow:4px 4px 4px 4px rgb(163, 183,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 23.489, 127.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 183, 142) }
```

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

```
.background{ background-color: rgb(163,  
183, 142) }
```

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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