

Converting Colors

CIELCh(77, 23.433, 129.418)

Have a look what the booklet for
CIELCh(77, 23.433, 129.418)
contains.

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Color

CIELCh(77, 23.455, 129.413)

Conversions

Conversions Part 1

Format	Color
Hex	AFC59C
RGB	175, 197, 156
RGB Percent	69%, 77%, 61%
CMY	0.3132, 0.2269, 0.3877
CMYK	0.11, 0.00, 0.21, 0.23
HSL	92°, 26%, 69%
HSV	92°, 21%, 77%
XYZ	43.7210, 51.5317, 39.1549
YIQ	185.7480, 0.0490, -17.4150

Conversions

Conversions Part 2

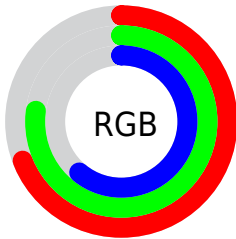
Format	Color
RYB	156, 197, 178
Decimal	11519388
CIELab	77.00, -14.89, 18.12
CIElCh	77, 23.455, 129.413
Yxy	51.5317, 0.3253, 0.3834
Android (android.graphics.Color)	4289709468 (0xFFAFC59C)
YUV	185.7480, -14.6658, -9.4260
Hunter-Lab	71.7856, -16.9094, 17.9106

Details

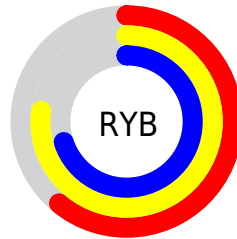
The CIELCh color **77, 23.455, 129.413** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **68, 24.073, 311.271**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 23.439, 129.526**, and **57, 23.146, 129.722** is the 20% darker color. If you saturate the color by 10%, you get **76, 34.666, 128.932**, and if you desaturate by 10%, it is **78, 12.168, 129.883**.

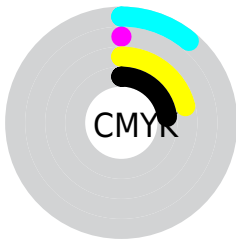
Distribution



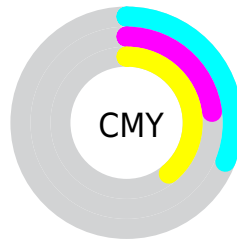
- Red (69%)
- Green (77%)
- Blue (61%)



- Red (61%)
- Yellow (77%)
- Blue (70%)



- Cyan (11%)
- Magenta (0%)
- Yellow (21%)
- Black (23%)





- Cyan (31%)
- Magenta (23%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 23.455, 129.413 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, 23.455, 129.413 by changing the saturation by 10% instead.


 77, 23.455,
129.413


 77, 23.455,
129.413


 100, 23.455,
129.413


 67, 23.455,
129.413


 97, 23.455,
129.413

 57, 23.455,
129.413

 47, 23.455,
129.413

 37, 23.455,
129.413

 27, 23.455,
129.413

 17, 23.455,
129.413

 7, 23.455, 129.413

■ 0, 23.455, 129.413

■ 77, 23.455,
129.413

■ 77, 23.455,
129.413

■ 76, 34.666,
128.932

■ 78, 12.168,
129.883

■ 75, 45.661,
128.454

■ 79, 0.892, 130.449

■ 74, 56.252,
128.018

■ 81, 10.305,
310.688

■ 73, 66.163,
127.687

■ 82, 21.375,
311.053

■ 73, 75.017,
127.553

■ 84, 32.285,
311.376

■ 72, 82.341,
127.738

■ 85, 33.694,
317.239

■ 71, 87.694,
128.364

■ 86, 35.286,
322.810

■ 71, 90.997,
129.276

■ 86, 36.286,
325.685

Harmonies

Complementary

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



77, 23.455, 129.413



68, 24.073, 311.271

Rectangle

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



77, 23.455, 129.413



77, 23.455, 179.413



77, 23.455, 309.413



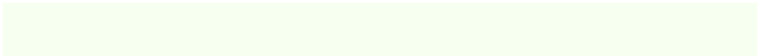
77, 23.455, 359.413

Sweetspot

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



77, 23.457, 129.415



99, 8.315, 130.099



74, 14.075, 76.302



53, 5.517, 130.068



0, 0.000, 0.000



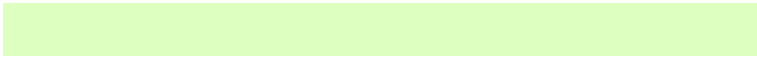
53, 0.007, 296.813

Same Dimension

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



77, 23.457, 129.415



96, 34.724, 129.195



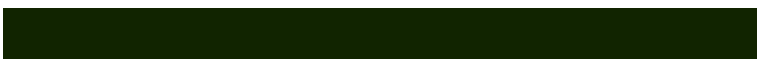
76, 26.373, 143.998



41, 6.432, 129.948



60, 78.913, 129.053



12, 23.180, 132.744

Inverse Universe

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



68, 24.073, 311.271



82, 35.849, 311.497



69, 26.395, 326.484



39, 6.513, 310.730



26, 88.577, 312.868



2, 22.527, 307.279

Previews

White Background



This preview shows how the CIELCh color 77, 23.455, 129.413 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 CIE LCh color 77, 23.455, 129.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

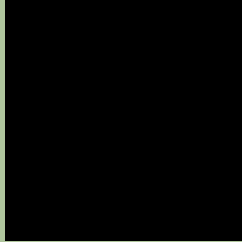
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 23.455, 129.413

Background



This preview shows how black text looks on a background with the CIELCh color 77, 23.455, 129.413.



This preview shows how white text looks on a background with the CIELCh color 77, 23.455, 129.413.

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](#).

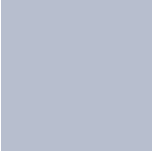
Dichromacy



Original Color
77, 23.455, 129.413

Protanopia
77, 20.329, 94.643

Deuteranopia
77, 19.461, 61.121



Tritanopia
77, 8.895, 274.848

Trichromacy



Original Color
77, 23.455, 129.413

Protanomaly
77, 20.231, 108.278

Deuteranomaly
77, 17.120, 88.310

Tritanomaly
77, 5.496, 169.853

Monochromacy



Original Color
77, 23.455, 129.413

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 8.616, 129.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 23.455, 129.413 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(175, 197, 156)` looks like.

```
.text, #text, p{  
    color:rgb(175, 197, 156)  
}
```

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(175, 197, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 197, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 23.455, 129.413 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(175, 197, 156) }
```

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

```
.border{ border-color:rgb(175, 197, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 197, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 197, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 197, 156);  
box-shadow:4px 4px 4px 4px rgb(175, 197,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 23.455, 129.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 197, 156) }
```

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

```
.background{ background-color: rgb(175,  
197, 156) }
```

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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