

Converting Colors

CIELCh(77, 28.062, 118.076)

Have a look what the booklet for
CIELCh(77, 28.062, 118.076)
contains.

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Color

CIELCh(77, 28.023, 118.250)

Conversions

Conversions Part 1

Format	Color
Hex	B7C490
RGB	183, 196, 144
RGB Percent	72%, 77%, 56%
CMY	0.2825, 0.2315, 0.4355
CMYK	0.07, 0.00, 0.27, 0.23
HSL	75°, 31%, 67%
HSV	75°, 27%, 77%
XYZ	44.2765, 51.5317, 33.9799
YIQ	186.1850, 8.9440, -18.9280

Conversions

Conversions Part 2

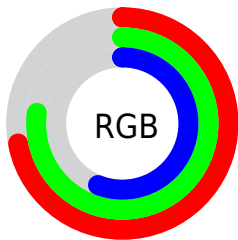
Format	Color
RYB	144, 196, 157
Decimal	12043408
CIELab	77.00, -13.26, 24.69
CIELCh	77, 28.023, 118.250
Yxy	51.5317, 0.3411, 0.3970
Android (android.graphics.Color)	4290233488 (0xFFB7C490)
YUV	186.1850, -20.7972, -2.7932
Hunter-Lab	71.7856, -15.5281, 22.1849

Details

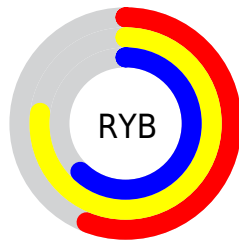
The CIELCh color **77, 28.023, 118.250** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **63, 29.619, 301.846**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 28.324, 118.716**, and **57, 27.965, 118.439** is the 20% darker color. If you saturate the color by 10%, you get **76, 38.323, 117.633**, and if you desaturate by 10%, it is **78, 17.528, 118.887**.

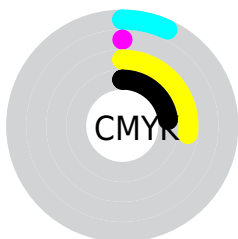
Distribution



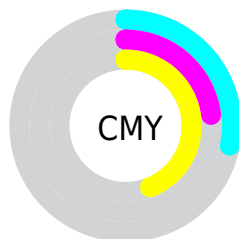
- Red (72%)
- Green (77%)
- Blue (56%)



- Red (56%)
- Yellow (77%)
- Blue (62%)



- Cyan (7%)
- Magenta (0%)
- Yellow (27%)
- Black (23%)



- Cyan (28%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 28.023, 118.250 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, 28.023, 118.250 by changing the saturation by 10% instead.


 77, 28.023,
118.250

 77, 28.023,
118.250


 100, 28.023,
118.250


 67, 28.023,
118.250


 97, 28.023,
118.250

 57, 28.023,
118.250

 47, 28.023,
118.250

 37, 28.023,
118.250

 27, 28.023,
118.250

 17, 28.023,
118.250

 7, 28.023, 118.250

■ 0, 28.023, 118.250

■ 77, 28.023,
118.250

■ 77, 28.023,
118.250

■ 76, 38.323,
117.633

■ 78, 17.528,
118.887

■ 76, 48.272,
117.058

■ 79, 6.935, 119.517

■ 75, 57.645,
116.575

■ 79, 3.688, 300.112

■ 80, 14.290,
300.697

■ 75, 66.115,
116.250

■ 81, 24.838,
301.245

■ 74, 73.243,
116.175

■ 82, 31.915,
302.553

■ 74, 78.554,
116.450

■ 83, 32.224,

■ 73, 81.776,
117.146

305.428

■ 73, 82.649,
117.430

■ 83, 32.609,
308.273

■ 83, 33.070,
311.074

Harmonies

Complementary

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



77, 28.023, 118.250



63, 29.619, 301.846

Rectangle

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



77, 28.023, 118.250



77, 28.023, 168.250



77, 28.023, 298.250



77, 28.023, 348.250

Sweetspot

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



77, 28.025, 118.253



99, 10.511, 119.417



68, 17.542, 44.450



53, 7.470, 119.321



0, 0.000, 0.000



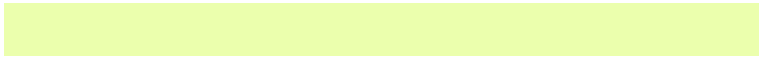
53, 0.007, 296.813

Same Dimension

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



77, 28.025, 118.253



97, 41.698, 117.879



75, 31.634, 136.003



41, 5.960, 119.340



61, 71.260, 117.242



11, 19.389, 121.264

Inverse Universe

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



63, 29.619, 301.846



75, 44.707, 302.379



65, 32.139, 318.433



38, 6.078, 300.514



20, 92.550, 307.821



1, 19.668, 297.860

Previews

White Background



This preview shows how the CIELCh color 77, 28.023, 118.250 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, 28.023, 118.250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

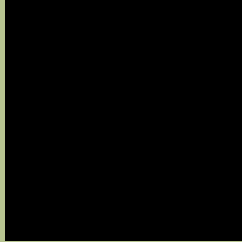
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 28.023, 118.250

Background



This preview shows how black text looks on a background with the CIELCh color 77, 28.023, 118.250.



This preview shows how white text looks on a background with the CIELCh color 77, 28.023, 118.250.

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, 28.023, 118.250

Protanopia
77, 26.694, 95.361

Deuteranopia
77, 25.414, 67.023



Tritanopia
77, 8.156, 298.509

Trichromacy



Original Color
77, 28.023, 118.250

Protanomaly
77, 26.583, 104.190

Deuteranomaly
77, 23.556, 86.853

Tritanomaly
77, 4.953, 122.810

Monochromacy



Original Color
77, 28.023, 118.250

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 10.364, 119.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 28.023, 118.250 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(183, 196, 144)` looks like.

```
.text, #text, p{  
    color:rgb(183, 196, 144)  
}
```

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(183, 196, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 196, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 28.023, 118.250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

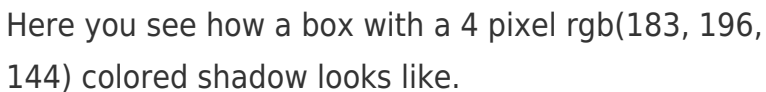
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 196, 144) }
```

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

```
.border{ border-color:rgb(183, 196, 144) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 196, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 196, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 196, 144); box-shadow:4px 4px 4px 4px rgb(183, 196, 144) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 28.023, 118.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 196, 144) }
```

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

```
.background{ background-color: rgb(183,  
196, 144) }
```

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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