

Converting Colors

CIELCh(77, 7.008, 199.000)

Have a look what the booklet for
CIELCh(77, 7.008, 199.000) contains.

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Color

CIELCh(77, 7.170, 198.924)

Conversions

Conversions Part 1

Format	Color
Hex	AEC2C2
RGB	174, 194, 194
RGB Percent	68%, 76%, 76%
CMY	0.3173, 0.2388, 0.2389
CMYK	0.10, 0.00, 0.00, 0.24
HSL	180°, 14%, 72%
HSV	180°, 10%, 76%
XYZ	46.5351, 51.5317, 58.5860
YIQ	188.0200, -11.9200, -4.2400

Conversions

Conversions Part 2

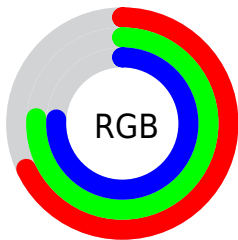
Format	Color
R_{YB}	174, 184, 194
Decimal	11453122
CIE Lab	77.00, -6.78, -2.33
CIE LCh	77, 7.170, 198.924
Yxy	51.5317, 0.2971, 0.3290
Android (android.graphics.Color)	4289643202 (0xFFAEC2C2)
YUV	188.0200, 2.9481, -12.2955
Hunter-Lab	71.7856, -9.9121, 1.8619

Details

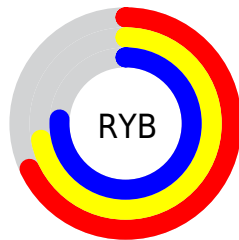
The CIELCh color $77, 7.170, 198.924$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $73, 7.650, 19.982$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 6.874, 199.059$, and $57, 7.178, 198.757$ is the 20% darker color. If you saturate the color by 10%, you get $76, 13.727, 198.374$, and if you desaturate by 10%, it is $78, 0.217, 201.864$.

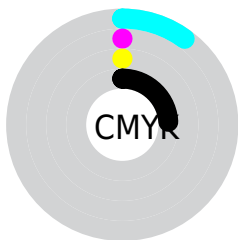
Distribution



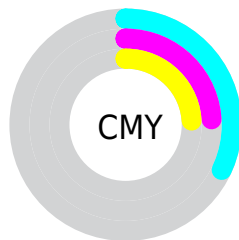
- Red (68%)
- Green (76%)
- Blue (76%)



- Red (68%)
- Yellow (72%)
- Blue (76%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)



- Cyan (32%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 7.170, 198.924 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, 7.170, 198.924 by changing the saturation by 10% instead.

■ 77, 7.170, 198.924

■ 77, 7.170, 198.924

■ 100, 7.170,
198.924

■ 67, 7.170, 198.924

■ 97, 7.170, 198.924

■ 57, 7.170, 198.924

■ 47, 7.170, 198.924

■ 37, 7.170, 198.924

■ 27, 7.170, 198.924

■ 17, 7.170, 198.924

■ 7, 7.170, 198.924

■ 0, 7.170, 198.924

■ 77, 7.170, 198.924

■ 77, 7.170, 198.924

76, 13.727,
198.374

78, 0.217, 201.864

75, 19.773,
197.907

80, 7.033, 19.871

74, 25.196,
197.499

82, 14.489, 20.504

73, 29.889,
197.152

84, 22.076, 21.128

72, 33.766,
196.870

84, 23.363, 21.230

72, 36.771,
196.654

84, 23.363, 21.226

72, 38.894,
196.502

84, 23.363, 21.223

71, 40.180,
196.410

84, 23.363, 21.219

71, 40.816,

84, 23.363, 21.215

Harmonies

Complementary

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



77, 7.170, 198.924



73, 7.650, 19.982

Rectangle

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



77, 7.170, 198.924



77, 7.170, 248.924



77, 7.170, 18.924



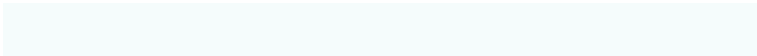
77, 7.170, 68.924

Sweetspot

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



77, 7.171, 198.911



99, 2.628, 199.475



77, 13.069, 143.425



53, 2.005, 199.378



0, 0.000, 0.000



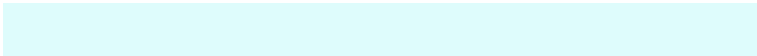
53, 0.007, 296.813

Same Dimension

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



77, 7.171, 198.911



97, 10.285, 198.802



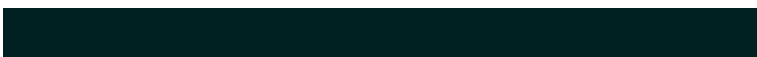
74, 6.341, 254.971



40, 3.949, 198.968



60, 35.478, 196.364



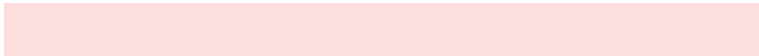
11, 12.445, 196.375

Inverse Universe

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



73, 7.650, 19.982



91, 11.109, 20.133



75, 6.515, 72.311



38, 4.187, 19.908



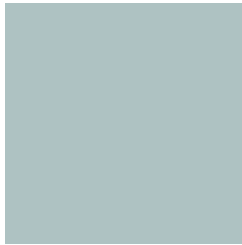
33, 73.722, 39.718



3, 13.999, 19.397

Previews

White Background



This preview shows how the CIELCh color 77, 7.170, 198.924 looks on a white background.

Color Contrast Check

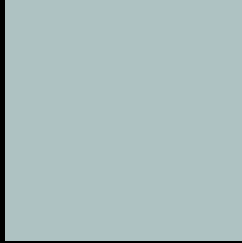
Large Text (above 18pt) WCAG AA × Fail

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, 7.170, 198.924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

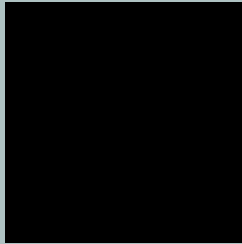
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

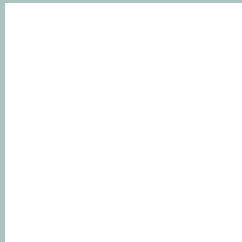
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 7.170, 198.924

Background



This preview shows how black text looks on a background with the CIELCh color 77, 7.170, 198.924.

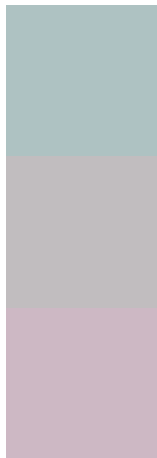


This preview shows how white text looks on a background with the CIELCh color 77, 7.170, 198.924.

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

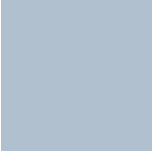
77, 7.170, 198.924

Protanopia

77, 1.842, 343.604

Deuteranopia

77, 10.121, 340.754



Tritanopia
77, 9.683, 255.703

Trichromacy



Original Color
77, 7.170, 198.924

Protanomaly
77, 1.898, 215.992

Deuteranomaly
77, 4.386, 320.607

Tritanomaly
77, 7.882, 236.996

Monochromacy



Original Color
77, 7.170, 198.924

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 2.559, 199.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 7.170, 198.924 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(174, 194, 194)` looks like.

```
.text, #text, p{  
    color:rgb(174, 194, 194)  
}
```

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(174, 194, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 194, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 7.170, 198.924 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(174, 194, 194) }
```

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

```
.border{ border-color:rgb(174, 194, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 194, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 194, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 194, 194);  
box-shadow:4px 4px 4px 4px rgb(174, 194,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 7.170, 198.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 194, 194) }
```

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

```
.background{ background-color: rgb(174,  
194, 194) }
```

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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