

Converting Colors

CIELCh(77, 5.304, 199.188)

Have a look what the booklet for
CIELCh(77, 5.304, 199.188) contains.

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Color

CIELCh(77, 5.417, 199.082)

Conversions

Conversions Part 1

Format	Color
Hex	B2C1C1
RGB	178, 193, 193
RGB Percent	70%, 76%, 76%
CMY	0.3015, 0.2426, 0.2426
CMYK	0.08, 0.00, 0.00, 0.24
HSL	180°, 11%, 73%
HSV	180°, 8%, 76%
XYZ	47.1267, 51.5317, 57.9890
YIQ	188.5150, -8.9400, -3.1800

Conversions

Conversions Part 2

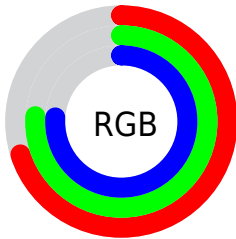
Format	Color
RYB	178, 186, 193
Decimal	11715009
CIELab	77.00, -5.12, -1.77
CIELCh	77, 5.417, 199.082
Yxy	51.5317, 0.3008, 0.3290
Android (android.graphics.Color)	4289905089 (0xFFB2C1C1)
YUV	188.5150, 2.2111, -9.2217
Hunter-Lab	71.7856, -8.4409, 2.3550

Details

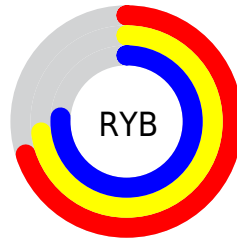
The CIELCh color **77, 5.417, 199.082** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74, 5.687, 19.777**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 5.184, 199.196**, and **57, 5.709, 198.916** is the 20% darker color. If you saturate the color by 10%, you get **76, 12.059, 198.498**, and if you desaturate by 10%, it is **78, 1.592, 19.177**.

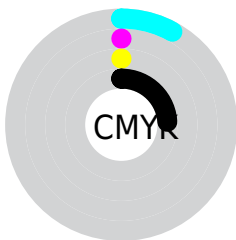
Distribution



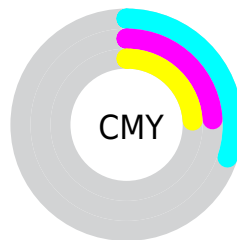
- Red (70%)
- Green (76%)
- Blue (76%)



- Red (70%)
- Yellow (73%)
- Blue (76%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)



- Cyan (30%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 5.417, 199.082 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, 5.417, 199.082 by changing the saturation by 10% instead.

■ 77, 5.417, 199.082

■ 77, 5.417, 199.082

■ 100, 5.417,
199.082

■ 67, 5.417, 199.082

■ 97, 5.417, 199.082

■ 57, 5.417, 199.082

■ 47, 5.417, 199.082

■ 37, 5.417, 199.082

■ 27, 5.417, 199.082

■ 17, 5.417, 199.082

■ 7, 5.417, 199.082

■ 0, 5.417, 199.082

■ 77, 5.417, 199.082

■ 77, 5.417, 199.082

76, 12.059,
198.498

78, 1.592, 19.177

75, 18.220,
198.015

80, 8.873, 20.031

74, 23.790,
197.592

82, 16.338, 20.658

73, 28.659,
197.229

84, 23.767, 21.269

72, 32.735,
196.931

84, 23.767, 21.265

72, 35.953,
196.697

84, 23.767, 21.260

71, 38.291,
196.529

84, 23.767, 21.255

71, 39.778,
196.422

84, 23.767, 21.250

71, 40.535,

84, 23.766, 21.245

Harmonies

Complementary

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



77, 5.417, 199.082



74, 5.687, 19.777

Rectangle

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



77, 5.417, 199.082



77, 5.417, 249.082



77, 5.417, 19.082



77, 5.417, 69.082

Sweetspot

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



77, 5.418, 199.065



98, 1.741, 199.651



77, 9.794, 143.587



52, 0.990, 199.677



99, 0.012, 296.813



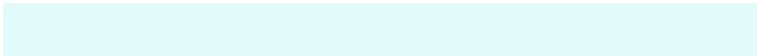
52, 0.007, 296.813

Same Dimension

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



77, 5.418, 199.065



97, 7.712, 198.978



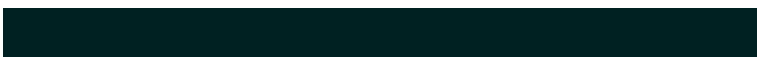
75, 4.769, 254.642



40, 3.949, 198.964



60, 35.480, 196.356



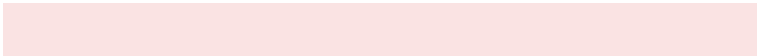
11, 12.445, 196.369

Inverse Universe

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



74, 5.687, 19.777



92, 8.165, 19.886



76, 4.860, 72.596



38, 4.187, 19.904



33, 73.720, 39.716



3, 13.999, 19.394

Previews

White Background



This preview shows how the CIELCh color 77, 5.417, 199.082 looks on a white background.

Color Contrast Check

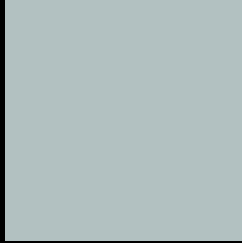
Large Text (above 18pt) WCAG AA × Fail

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, 5.417, 199.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

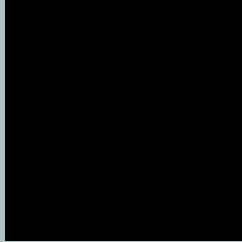
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

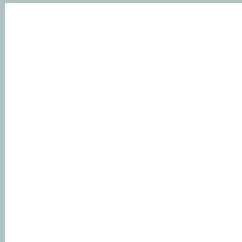
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 5.417, 199.082

Background



This preview shows how black text looks on a background with the CIELCh color 77, 5.417, 199.082.

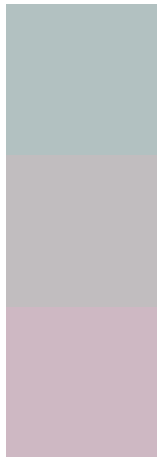


This preview shows how white text looks on a background with the CIELCh color 77, 5.417, 199.082.

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

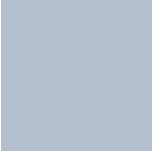
77, 5.417, 199.082

Protanopia

77, 1.842, 343.604

Deuteranopia

77, 10.096, 344.506



Tritanopia
77, 8.856, 265.027

Trichromacy



Original Color
77, 5.417, 199.082

Protanomaly
77, 1.218, 225.930

Deuteranomaly
77, 5.044, 331.543

Tritanomaly
77, 6.610, 246.314

Monochromacy



Original Color
77, 5.417, 199.082

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 2.194, 199.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 5.417, 199.082 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(178, 193, 193)` looks like.

```
.text, #text, p{  
    color:rgb(178, 193, 193)  
}
```

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(178, 193, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 193, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 5.417, 199.082 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(178, 193, 193) }
```

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

```
.border{ border-color:rgb(178, 193, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 193, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 193, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 193, 193);  
box-shadow:4px 4px 4px 4px rgb(178, 193,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 5.417, 199.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 193, 193) }
```

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

```
.background{ background-color: rgb(178,  
193, 193) }
```

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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