

Converting Colors

CIELCh(77, 8.064, 216.384)

Have a look what the booklet for
CIELCh(77, 8.064, 216.384) contains.

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Color

CIELCh(77, 8.166, 218.165)

Conversions

Conversions Part 1

Format	Color
Hex	ACC2C7
RGB	172, 194, 199
RGB Percent	67%, 76%, 78%
CMY	0.3251, 0.2388, 0.2192
CMYK	0.14, 0.03, 0.00, 0.22
HSL	191°, 19%, 73%
HSV	191°, 14%, 78%
XYZ	46.6634, 51.5317, 61.5750
YIQ	187.9920, -14.7170, -3.1090

Conversions

Conversions Part 2

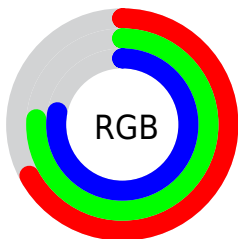
Format	Color
R_{YB}	172, 184, 199
Decimal	11322055
CIE _{Lab}	77.00, -6.42, -5.05
CIE _{LCh}	77, 8.166, 218.165
Yxy	51.5317, 0.2921, 0.3225
Android (android.graphics.Color)	4289512135 (0xFFACC2C7)
YUV	187.9920, 5.4269, -14.0250
Hunter-Lab	71.7856, -9.5929, -0.6068

Details

The CIELCh color `77, 8.166, 218.165` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `74, 8.909, 37.569`, and the grayscale version is `76, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 7.853, 218.094`, and `57, 8.212, 219.172` is the 20% darker color. If you saturate the color by 10%, you get `75, 13.763, 218.540`, and if you desaturate by 10%, it is `79, 2.201, 218.070`.

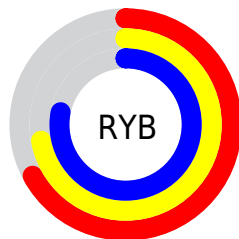
Distribution



Red (67%)

Green (76%)

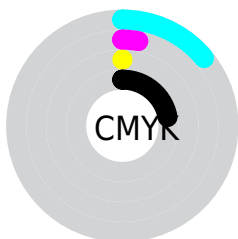
Blue (78%)



Red (67%)

Yellow (72%)

Blue (78%)

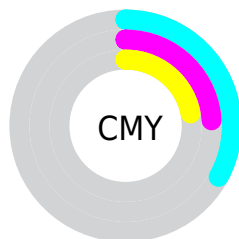


Cyan (14%)

Magenta (3%)

Yellow (0%)

Black (22%)



Cyan (33%)

Magenta (24%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 8.166, 218.165 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, 8.166, 218.165 by changing the saturation by 10% instead.

■ 77, 8.166, 218.165

■ 77, 8.166, 218.165

■ 100, 8.166,
218.165

■ 67, 8.166, 218.165

■ 97, 8.166, 218.165

■ 57, 8.166, 218.165

■ 47, 8.166, 218.165

■ 37, 8.166, 218.165

■ 27, 8.166, 218.165

■ 17, 8.166, 218.165

■ 7, 8.166, 218.165

■ 0, 8.166, 218.165

■ 77, 8.166, 218.165

■ 77, 8.166, 218.165

75, 13.763,
218.540

79, 2.201, 218.070

73, 18.899,
219.138

82, 4.052, 37.542

71, 23.481,
219.984

84, 10.523, 37.570

69, 27.417,
221.138

88, 17.715, 43.470

67, 30.631,
222.668

89, 17.336, 50.853

65, 33.084,
224.653

90, 17.260, 58.423

64, 34.783,
227.170

91, 17.491, 65.912

62, 35.810,
230.280

92, 18.014, 73.068

62, 36.263,

Harmonies

Complementary

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



77, 8.166, 218.165



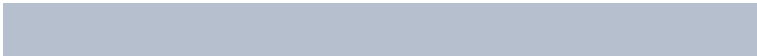
74, 8.909, 37.569

Rectangle

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



77, 8.166, 218.165



77, 8.166, 268.165



77, 8.166, 38.165



77, 8.166, 88.165

Sweetspot

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



77, 8.166, 218.153



99, 3.017, 218.050



78, 15.553, 149.076



53, 2.140, 218.032



0, 0.000, 0.000



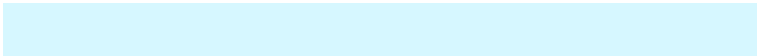
53, 0.007, 296.813

Same Dimension

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



77, 8.166, 218.153



95, 11.689, 218.237



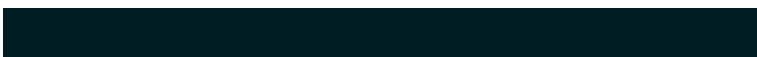
73, 10.386, 274.260



41, 3.450, 218.055



51, 31.264, 231.932



9, 11.216, 223.594

Inverse Universe

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



73, 15.582, 330.827



90, 22.500, 330.999



77, 10.381, 90.741



39, 6.493, 330.557



37, 71.755, 337.161



4, 22.747, 334.292

Previews

White Background



This preview shows how the CIELCh color 77, 8.166, 218.165 looks on a white background.

Color Contrast Check

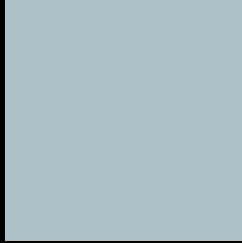
Large Text (above 18pt) WCAG AA × Fail

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, 8.166, 218.165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

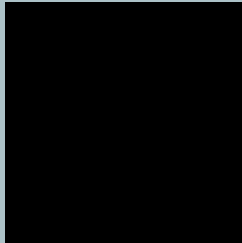
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

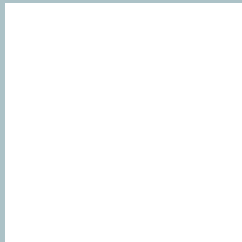
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 8.166, 218.165

Background



This preview shows how black text looks on a background with the CIELCh color 77, 8.166, 218.165.



This preview shows how white text looks on a background with the CIELCh color 77, 8.166, 218.165.

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, 8.166, 218.165

Protanopia

77, 3.847, 301.460

Deuteranopia

77, 11.525, 327.947



Tritanopia
77, 10.271, 250.941

Trichromacy



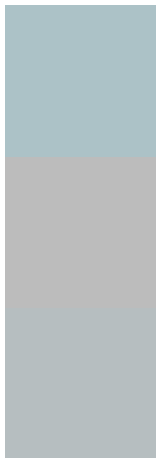
Original Color
77, 8.166, 218.165

Protanomaly
77, 4.059, 252.035

Deuteranomaly
77, 6.636, 303.367

Tritanomaly
77, 9.376, 242.621

Monochromacy



Original Color
77, 8.166, 218.165

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 3.086, 219.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 8.166, 218.165 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(172, 194, 199)` looks like.

```
.text, #text, p{  
    color:rgb(172, 194, 199)  
}
```

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(172, 194, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 194, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 8.166, 218.165 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(172, 194, 199) }
```

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

```
.border{ border-color:rgb(172, 194, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 194, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 194, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 194, 199);  
box-shadow:4px 4px 4px 4px rgb(172, 194,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 8.166, 218.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 194, 199) }
```

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

```
.background{ background-color: rgb(172,  
194, 199) }
```

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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