

Converting Colors

CIELCh(70, 7.080, 86.849)

Have a look what the booklet for
CIELCh(70, 7.080, 86.849) contains.

CIELCh(70, 7.080, 86.849)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 7.080, 86.849)

Conversions

Conversions Part 1

Format	Color
Hex	B1AA9E
RGB	177, 170, 158
RGB Percent	69%, 67%, 62%
CMY	0.3045, 0.3319, 0.3790
CMYK	0.00, 0.04, 0.11, 0.30
HSL	38°, 11%, 66%
HSV	38°, 11%, 70%
XYZ	38.8532, 40.7494, 38.3208
YIQ	170.7250, 8.0240, -2.2480

Conversions

Conversions Part 2

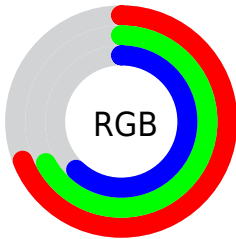
Format	Color
RYB	169, 177, 158
Decimal	11643550
CIELab	70.00, 0.39, 7.07
CIELCh	70, 7.080, 86.849
Yxy	40.7494, 0.3295, 0.3456
Android (android.graphics.Color)	4289833630 (0xFFB1AA9E)
YUV	170.7250, -6.2734, 5.5032
Hunter-Lab	63.8353, -3.0680, 9.0924

Details

The CIELCh color $70, 7.080, 86.849$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 7.044, 269.680$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 6.856, 84.283$, and $50, 6.882, 87.849$ is the 20% darker color. If you saturate the color by 10%, you get $68, 13.871, 85.594$, and if you desaturate by 10%, it is $72, 0.461, 87.616$.

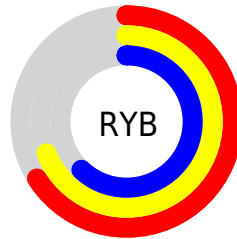
Distribution



Red (69%)

Green (67%)

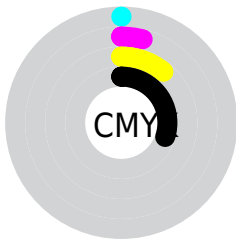
Blue (62%)



Red (66%)

Yellow (69%)

Blue (62%)

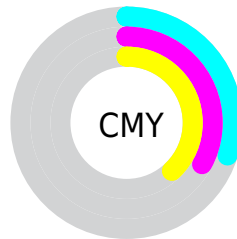


Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (30%)



Cyan (30%)

Magenta (33%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 7.080, 86.849 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 70, 7.080, 86.849 by changing the saturation by 10% instead.

■ 70, 7.080, 86.849

■ 70, 7.080, 86.849

■ 100, 7.080, 86.849

■ 60, 7.080, 86.849

■ 90, 7.080, 86.849

■ 50, 7.080, 86.849

■ 40, 7.080, 86.849

■ 30, 7.080, 86.849

■ 20, 7.080, 86.849

■ 10, 7.080, 86.849

■ 0, 7.080, 86.849

■ 70, 7.080, 86.849

■ 70, 7.080, 86.849

■ 68, 13.871, 85.594

■ 72, 0.461, 87.616

66, 20.826, 84.273

74, 5.996, 269.383

64, 27.922, 82.911

77, 12.299,
270.511

62, 35.099, 81.507

79, 18.460,
271.603

60, 42.228, 80.047

58, 49.062, 78.492

81, 24.494,
272.645

56, 55.159, 76.759

83, 25.707,
269.007

54, 59.850, 74.690

53, 62.847, 72.454

85, 23.431,
260.436

87, 21.765,
250.406

88, 20.835,
239.222

Harmonies

Complementary

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



70, 7.080, 86.849



68, 7.044, 269.680

Rectangle

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



70, 7.080, 86.849



70, 7.080, 136.849



70, 7.080, 266.849



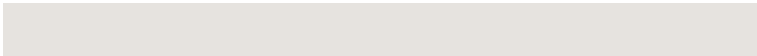
70, 7.080, 316.849

Sweetspot

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



70, 7.081, 86.865



90, 2.414, 87.735



67, 8.335, 351.381



48, 1.831, 87.662



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



70, 7.081, 86.865



88, 10.628, 86.553



72, 10.343, 113.927



37, 3.754, 87.035



46, 56.353, 72.852



5, 8.160, 77.707

Inverse Universe

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



68, 7.044, 269.680



84, 10.550, 270.038



66, 10.594, 295.651



35, 3.740, 269.488



27, 62.103, 293.945



2, 9.843, 274.846

Previews

White Background



This preview shows how the CIELCh color 70, 7.080, 86.849 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 CIELCh color 70, 7.080, 86.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

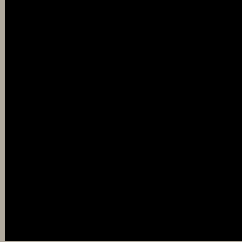
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 7.080, 86.849

Background



This preview shows how black text looks on a background with the CIELCh color 70, 7.080, 86.849.



This preview shows how white text looks on a background with the CIELCh color 70, 7.080, 86.849.

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

70, 7.080, 86.849

Protanopia

70, 7.080, 86.849

Deuteranopia

70, 11.148, 37.234



Tritanopia
70, 8.657, 324.805

Trichromacy



Original Color
70, 7.080, 86.849

Protanomaly
70, 7.080, 86.849

Deuteranomaly
70, 8.989, 48.888

Tritanomaly
70, 4.724, 352.169

Monochromacy



Original Color
70, 7.080, 86.849

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 2.821, 94.204

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 7.080, 86.849 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(177, 170, 158)` looks like.

```
.text, #text, p{  
    color:rgb(177, 170, 158)  
}
```

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(177, 170, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 170, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 7.080, 86.849 is called "border". The border property can be set on classes, ids or directly on the HTML element.

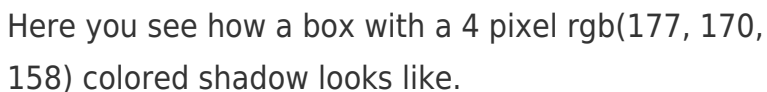
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 170, 158) }
```

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

```
.border{ border-color:rgb(177, 170, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 170, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 170, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 170, 158); box-shadow:4px 4px 4px 4px rgb(177, 170, 158) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 7.080, 86.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 170, 158) }
```

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

```
.background{ background-color: rgb(177,  
170, 158) }
```

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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