

Converting Colors

CIELCh(70, 3.948, 80.266)

Have a look what the booklet for
CIELCh(70, 3.948, 80.266) contains.

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Color

CIELCh(70, 3.779, 79.324)

Conversions

Conversions Part 1

Format	Color
Hex	AFAAA4
RGB	175, 170, 164
RGB Percent	69%, 67%, 64%
CMY	0.3122, 0.3318, 0.3553
CMYK	0.00, 0.03, 0.06, 0.31
HSL	33°, 6%, 67%
HSV	33°, 6%, 69%
XYZ	38.9510, 40.7494, 41.1183
YIQ	170.8110, 4.9060, -0.8060

Conversions

Conversions Part 2

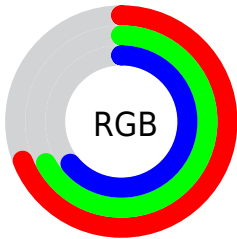
Format	Color
RYB	173, 175, 164
Decimal	11512484
CIELab	70.00, 0.70, 3.71
CIELCh	70, 3.779, 79.324
Yxy	40.7494, 0.3224, 0.3373
Android (android.graphics.Color)	4289702564 (0xFFAFAAA4)
YUV	170.8110, -3.3578, 3.6738
Hunter-Lab	63.8353, -2.7947, 6.4942

Details

The CIELCh color $70, 3.779, 79.324$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 3.751, 261.086$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 3.775, 74.680$, and $50, 4.051, 79.048$ is the 20% darker color. If you saturate the color by 10%, you get $67, 10.003, 78.144$, and if you desaturate by 10%, it is $73, 2.216, 260.794$.

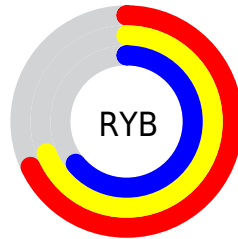
Distribution



Red (69%)

Green (67%)

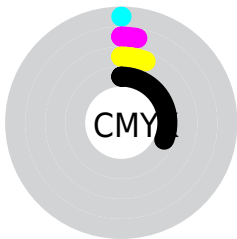
Blue (64%)



Red (68%)

Yellow (69%)

Blue (64%)

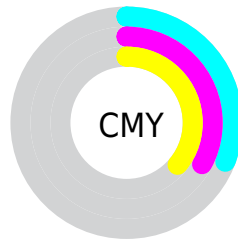


Cyan (0%)

Magenta (3%)

Yellow (6%)

Black (31%)



Cyan (31%)

Magenta (33%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 3.779, 79.324 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, 3.779, 79.324 by changing the saturation by 10% instead.

 70, 3.779, 79.324  70, 3.779, 79.324

 100, 3.779, 79.324  60, 3.779, 79.324


 90, 3.779, 79.324  50, 3.779, 79.324


 40, 3.779, 79.324


 30, 3.779, 79.324

 20, 3.779, 79.324

 10, 3.779, 79.324

 0, 3.779, 79.324

 70, 3.779, 79.324  70, 3.779, 79.324

 67, 10.003, 78.144  73, 2.216, 260.794

65, 16.469, 76.866

75, 8.003, 261.880

63, 23.181, 75.557

78, 13.603,
263.006

60, 30.122, 74.220

80, 19.035,
264.094

58, 37.230, 72.848

56, 44.360, 71.409

83, 24.316,
265.136

53, 51.214, 69.828

85, 23.123,
256.105

51, 57.248, 67.947

50, 61.726, 65.522

87, 21.559,
243.317

90, 21.152,
229.477

92, 21.930,
216.017

Harmonies

Complementary

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



70, 3.779, 79.324



69, 3.751, 261.086

Rectangle

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



70, 3.779, 79.324



70, 3.779, 129.324



70, 3.779, 259.324



70, 3.779, 309.324

Sweetspot

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



70, 3.780, 79.354



90, 1.469, 79.709



69, 5.061, 345.937



48, 0.841, 79.708



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, 3.780, 79.354



88, 5.967, 79.140



71, 5.978, 110.923



35, 3.400, 79.003



42, 56.446, 65.125



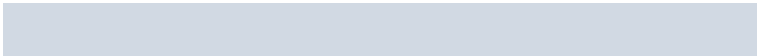
4, 6.630, 69.996

Inverse Universe

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



69, 3.751, 261.086



86, 5.895, 261.322



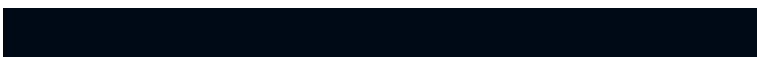
68, 6.074, 292.083



35, 3.351, 261.477



30, 52.420, 287.500



3, 7.669, 268.034

Previews

White Background



This preview shows how the CIELCh color 70, 3.779, 79.324 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 70, 3.779, 79.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

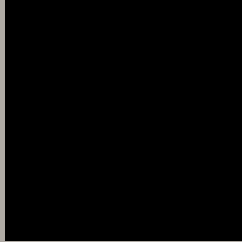
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

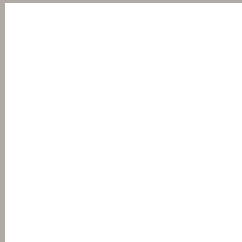
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 3.779, 79.324

Background



This preview shows how black text looks on a background with the CIELCh color 70, 3.779, 79.324.



This preview shows how white text looks on a background with the CIELCh color 70, 3.779, 79.324.

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, 3.779, 79.324

Protanopia

70, 3.987, 74.520

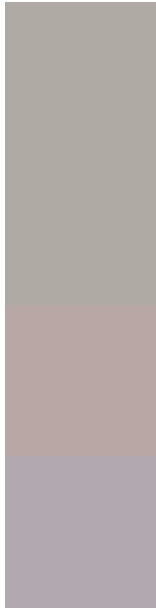
Deuteranopia

70, 9.707, 20.221



Tritanopia
70, 8.073, 318.165

Trichromacy



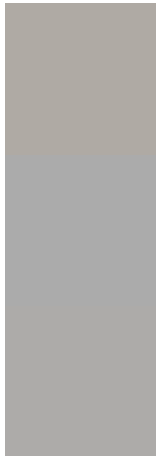
Original Color
70, 3.779, 79.324

Protanomaly
70, 3.987, 74.520

Deuteranomaly
70, 7.043, 28.823

Tritanomaly
70, 4.479, 332.561

Monochromacy



Original Color
70, 3.779, 79.324

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.316, 74.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 3.779, 79.324 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(175, 170, 164)` looks like.

```
.text, #text, p{  
    color:rgb(175, 170, 164)  
}
```

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(175, 170, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 170, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 3.779, 79.324 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(175, 170, 164) }
```

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

```
.border{ border-color:rgb(175, 170, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 170, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 170, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 170, 164);  
box-shadow:4px 4px 4px 4px rgb(175, 170,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 3.779, 79.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 170, 164) }
```

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

```
.background{ background-color: rgb(175,  
170, 164) }
```

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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