

Converting Colors

CIELCh(70, 8.666, 17.384)

Have a look what the booklet for
CIELCh(70, 8.666, 17.384) contains.

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Color

CIELCh(70, 8.509, 16.446)

Conversions

Conversions Part 1

Format	Color
Hex	BCA6A7
RGB	188, 166, 167
RGB Percent	74%, 65%, 65%
CMY	0.2628, 0.3490, 0.3451
CMYK	0.00, 0.12, 0.11, 0.26
HSL	357°, 14%, 69%
HSV	357°, 12%, 74%
XYZ	41.3459, 40.7494, 42.2416
YIQ	172.6920, 12.7910, 4.9750

Conversions

Conversions Part 2

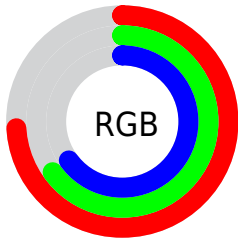
Format	Color
R_{YB}	188, 166, 167
Decimal	12363431
CIE _{Lab}	70.00, 8.16, 2.41
CIE _{LCh}	70, 8.509, 16.446
Yxy	40.7494, 0.3325, 0.3277
Android (android.graphics.Color)	4290553511 (0xFFBCA6A7)
YUV	172.6920, -2.8062, 13.4251
Hunter-Lab	63.8353, 3.9021, 5.4508

Details

The CIELCh color `70, 8.509, 16.446` is a light color, and the websafe version is hex `999999`. A complement of this color would be `75, 7.952, 194.941`, and the grayscale version is `71, 0.009, 296.813`.

A 20% lighter version of the original color is `90, 8.405, 16.417`, and `50, 8.741, 16.591` is the 20% darker color. If you saturate the color by 10%, you get `65, 16.354, 17.435`, and if you desaturate by 10%, it is `75, 1.193, 15.322`.

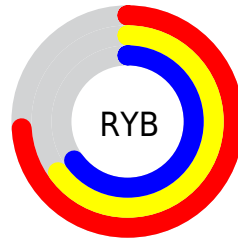
Distribution



Red (74%)

Green (65%)

Blue (65%)



Red (74%)

Yellow (65%)

Blue (65%)

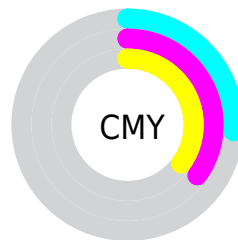


Cyan (0%)

Magenta (12%)

Yellow (11%)

Black (26%)



Cyan (26%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 8.509, 16.446 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, 8.509, 16.446 by changing the saturation by 10% instead.

 70, 8.509, 16.446  70, 8.509, 16.446

 100, 8.509, 16.446  60, 8.509, 16.446

 90, 8.509, 16.446  50, 8.509, 16.446


 40, 8.509, 16.446

 30, 8.509, 16.446

 20, 8.509, 16.446

 10, 8.509, 16.446

 0, 8.509, 16.446

 70, 8.509, 16.446  70, 8.509, 16.446

 65, 16.354, 17.435  75, 1.193, 15.322

60, 24.719, 18.644

81, 5.608, 195.233

55, 33.534, 20.181

86, 11.934,
194.672

51, 42.654, 22.154

92, 17.832,
194.231

47, 51.852, 24.681

44, 60.832, 27.852

96, 21.689,
198.081

41, 69.245, 31.625

40, 76.565, 35.612

39, 81.216, 38.239

Harmonies

Complementary

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



70, 8.509, 16.446



75, 7.952, 194.941

Rectangle

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



70, 8.509, 16.446



70, 8.509, 66.446



70, 8.509, 196.446



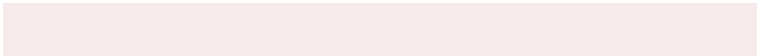
70, 8.509, 246.446

Sweetspot

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



70, 8.507, 16.458



94, 3.507, 15.743



70, 14.345, 323.680



49, 2.498, 15.826



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 8.507, 16.458



87, 12.731, 16.689



73, 7.107, 68.441



37, 4.098, 16.248



32, 71.064, 37.817



3, 12.272, 16.793

Inverse Universe

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



70, 8.507, 16.458



87, 12.731, 16.689



72, 6.844, 251.326



37, 4.098, 16.248



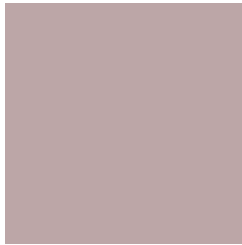
32, 71.064, 37.817



3, 12.272, 16.793

Previews

White Background



This preview shows how the CIELCh color 70, 8.509, 16.446 looks on a white background.

Color Contrast Check

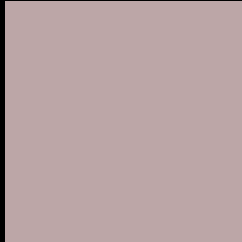
Large Text (above 18pt) WCAG AA × Fail

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, 8.509, 16.446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

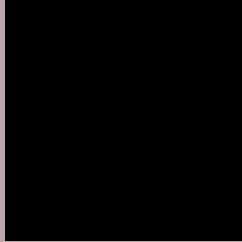
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 8.509, 16.446

Background



This preview shows how black text looks on a background with the CIELCh color 70, 8.509, 16.446.



This preview shows how white text looks on a background with the CIELCh color 70, 8.509, 16.446.

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, 8.509, 16.446

Protanopia

70, 1.968, 35.414

Deuteranopia

70, 8.902, 16.648



Tritanopia
70, 11.847, 343.652

Trichromacy



Original Color
70, 8.509, 16.446

Protanomaly
70, 4.237, 27.039

Deuteranomaly
70, 8.902, 16.648

Tritanomaly
70, 10.151, 354.860

Monochromacy



Original Color
70, 8.509, 16.446

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 3.088, 9.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 8.509, 16.446 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(188, 166, 167)` looks like.

```
.text, #text, p{  
    color:rgb(188, 166, 167)  
}
```

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(188, 166, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 166, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 8.509, 16.446 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(188, 166, 167) }
```

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

```
.border{ border-color:rgb(188, 166, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 166, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 166, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 166, 167);  
box-shadow:4px 4px 4px 4px rgb(188, 166,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 8.509, 16.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 166, 167) }
```

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

```
.background{ background-color: rgb(188,  
166, 167) }
```

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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