

Converting Colors

CIELCh(70, 19.158, 60.110)

Have a look what the booklet for
CIELCh(70, 19.158, 60.110) contains.

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Color

CIELCh(70, 18.860, 59.448)

Conversions

Conversions Part 1

Format	Color
Hex	C7A48E
RGB	199, 164, 142
RGB Percent	78%, 64%, 56%
CMY	0.2188, 0.3561, 0.4424
CMYK	0.00, 0.18, 0.29, 0.22
HSL	23°, 34%, 67%
HSV	23°, 29%, 78%
XYZ	41.8145, 40.7494, 31.3278
YIQ	171.9570, 27.9220, 0.5780

Conversions

Conversions Part 2

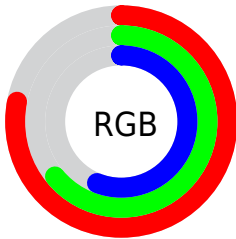
Format	Color
R _Y B	199, 178, 142
Decimal	13083790
CIE Lab	70.00, 9.59, 16.24
CIE LCh	70, 18.860, 59.448
Yxy	40.7494, 0.3671, 0.3578
Android (android.graphics.Color)	4291273870 (0xFFC7A48E)
YUV	171.9570, -14.7688, 23.7167
Hunter-Lab	63.8353, 5.2125, 15.5875

Details

The CIELCh color $70, 18.860, 59.448$ is a light color, and the websafe version is hex `CC9999`. A complement of this color would be $70, 16.480, 245.962$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 18.323, 60.357$, and $50, 18.672, 58.719$ is the 20% darker color. If you saturate the color by 10%, you get $67, 26.318, 58.579$, and if you desaturate by 10%, it is $74, 11.870, 60.369$.

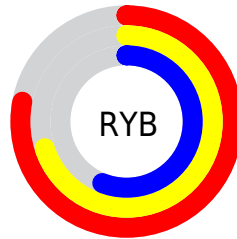
Distribution



Red (78%)

Green (64%)

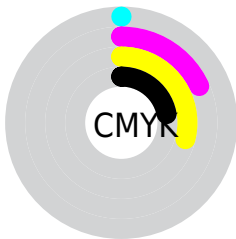
Blue (56%)



Red (78%)

Yellow (70%)

Blue (56%)

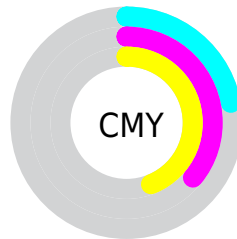


Cyan (0%)

Magenta (18%)

Yellow (29%)

Black (22%)



Cyan (22%)

Magenta (36%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 18.860, 59.448 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, 18.860, 59.448 by changing the saturation by 10% instead.

70, 18.860, 59.448

70, 18.860, 59.448

100, 18.860,
59.448

60, 18.860, 59.448

90, 18.860, 59.448

50, 18.860, 59.448

40, 18.860, 59.448

30, 18.860, 59.448

20, 18.860, 59.448

10, 18.860, 59.448

0, 18.860, 59.448

70, 18.860, 59.448

70, 18.860, 59.448

67, 26.318, 58.579

74, 11.870, 60.369

63, 34.254, 57.750

77, 5.319, 61.278

60, 42.628, 56.968

81, 0.832, 242.877

57, 51.306, 56.195

85, 6.627, 243.376

54, 59.955, 55.325

88, 12.106,
244.312

51, 67.872, 54.102

92, 15.246,
235.179

49, 74.152, 52.241

49, 75.013, 52.030

95, 16.763,
207.610

96, 18.344,
198.292

Harmonies

Complementary

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



70, 18.860, 59.448



70, 16.480, 245.962

Rectangle

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



70, 18.860, 59.448



70, 18.860, 109.448



70, 18.860, 239.448



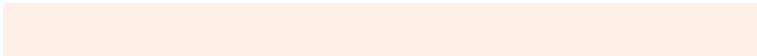
70, 18.860, 289.448

Sweetspot

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



70, 18.860, 59.456



96, 6.798, 61.233



66, 28.799, 340.139



51, 4.746, 61.102



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 18.860, 59.456



85, 27.923, 58.935



77, 26.846, 101.908



40, 3.504, 61.211



40, 64.384, 52.594



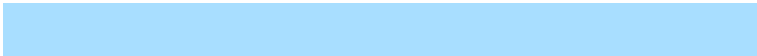
6, 13.169, 45.190

Inverse Universe

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



70, 16.480, 245.962



86, 23.634, 247.029



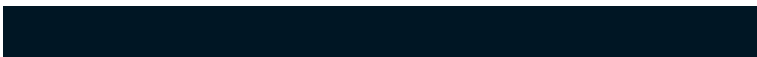
63, 28.233, 288.729



40, 3.370, 243.276



41, 40.738, 269.850



6, 12.293, 257.968

Previews

White Background



This preview shows how the CIELCh color 70, 18.860, 59.448 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, 18.860, 59.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

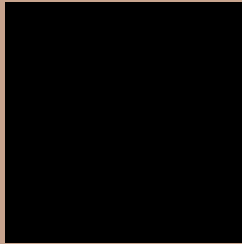
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 18.860, 59.448

Background



This preview shows how black text looks on a background with the CIELCh color 70, 18.860, 59.448.



This preview shows how white text looks on a background with the CIELCh color 70, 18.860, 59.448.

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, 18.860, 59.448

Protanopia

70, 14.606, 94.425

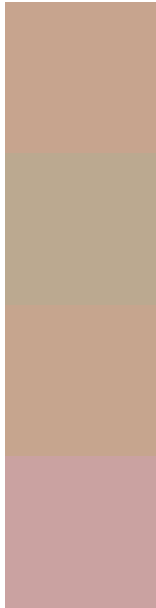
Deuteranopia

70, 18.583, 62.248



Tritanopia
70, 17.780, 359.597

Trichromacy



Original Color
70, 18.860, 59.448

Protanomaly
70, 15.482, 80.730

Deuteranomaly
70, 18.583, 62.248

Tritanomaly
70, 15.812, 22.760

Monochromacy



Original Color
70, 18.860, 59.448

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 6.671, 60.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 18.860, 59.448 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(199, 164, 142)` looks like.

```
.text, #text, p{  
    color:rgb(199, 164, 142)  
}
```

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(199, 164, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 164, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 18.860, 59.448 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(199, 164, 142) }
```

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

```
.border{ border-color:rgb(199, 164, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 164, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 164, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 164, 142);  
box-shadow:4px 4px 4px 4px rgb(199, 164,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 18.860, 59.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 164, 142) }
```

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

```
.background{ background-color: rgb(199,  
164, 142) }
```

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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