

Converting Colors

CIELCh(70, 34.074, 79.038)

Have a look what the booklet for
CIELCh(70, 34.074, 79.038) contains.

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Color

CIELCh(70, 34.168, 79.157)

Conversions

Conversions Part 1

Format	Color
Hex	CAA56E
RGB	202, 165, 110
RGB Percent	79%, 65%, 43%
CMY	0.2066, 0.3518, 0.5675
CMYK	0.00, 0.18, 0.45, 0.21
HSL	36°, 47%, 61%
HSV	36°, 45%, 79%
XYZ	40.7810, 40.7494, 20.5477
YIQ	169.7930, 39.7070, -9.2610

Conversions

Conversions Part 2

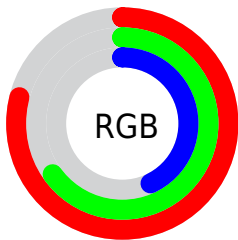
Format	Color
RYB	172, 202, 110
Decimal	13280622
CIELab	70.00, 6.43, 33.56
CIELCh	70, 34.168, 79.157
Yxy	40.7494, 0.3995, 0.3992
Android (android.graphics.Color)	4291470702 (0xFFCAA56E)
YUV	169.7930, -29.4779, 28.2455
Hunter-Lab	63.8353, 2.3225, 25.6000

Details

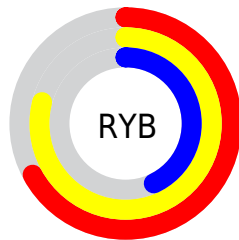
The CIELCh color **70, 34.168, 79.157** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **60, 32.419, 273.457**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 33.270, 82.673**, and **50, 34.151, 78.787** is the 20% darker color. If you saturate the color by 10%, you get **68, 42.133, 77.723**, and if you desaturate by 10%, it is **72, 26.296, 80.554**.

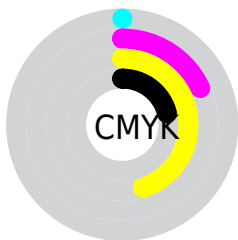
Distribution



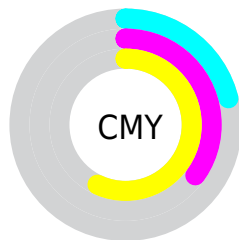
- Red (79%)
- Green (65%)
- Blue (43%)



- Red (67%)
- Yellow (79%)
- Blue (43%)



- Cyan (0%)
- Magenta (18%)
- Yellow (45%)
- Black (21%)





- Cyan (21%)
- Magenta (35%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 34.168, 79.157 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, 34.168, 79.157 by changing the saturation by 10% instead.

 70, 34.168, 79.157

 70, 34.168, 79.157

 100, 34.168,
79.157

 60, 34.168, 79.157

 90, 34.168, 79.157

 50, 34.168, 79.157

 40, 34.168, 79.157

 30, 34.168, 79.157

 20, 34.168, 79.157

 10, 34.168, 79.157

 0, 34.168, 79.157

 70, 34.168, 79.157

 70, 34.168, 79.157

 68, 42.133, 77.723

 72, 26.296, 80.554

65, 50.002, 76.210

75, 18.606, 81.908

63, 57.407, 74.553

77, 11.132, 83.221

61, 63.711, 72.613

80, 3.881, 84.456

59, 68.051, 70.152

83, 3.156, 265.866

58, 69.609, 68.962

85, 9.992, 266.996

88, 16.647,
268.129

90, 15.535,
254.706

92, 14.440,
235.090

Harmonies

Complementary

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



70, 34.168, 79.157



60, 32.419, 273.457

Rectangle

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



70, 34.168, 79.157



70, 34.168, 129.157



70, 34.168, 259.157



70, 34.168, 309.157

Sweetspot

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



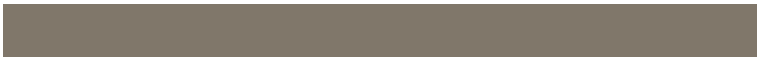
70, 34.168, 79.162



96, 12.115, 83.388



58, 41.138, 353.628



50, 8.393, 83.107



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, 34.168, 79.162



84, 50.401, 77.686



79, 47.588, 109.701



42, 4.064, 83.990



48, 59.972, 69.489



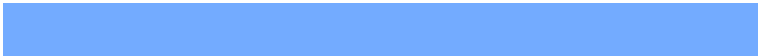
9, 14.710, 70.417

Inverse Universe

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



60, 32.419, 273.457



69, 47.446, 276.277



51, 53.629, 298.833



41, 4.031, 266.512



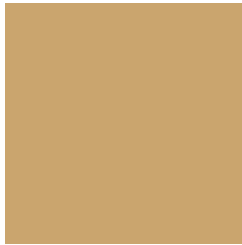
31, 62.510, 291.920



4, 16.978, 278.396

Previews

White Background



This preview shows how the CIELCh color 70, 34.168, 79.157 looks on a white background.

Color Contrast Check

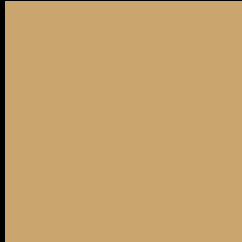
Large Text (above 18pt) WCAG AA × Fail

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, 34.168, 79.157 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, 34.168, 79.157

Background



This preview shows how black text looks on a background with the CIELCh color 70, 34.168, 79.157.



This preview shows how white text looks on a background with the CIELCh color 70, 34.168, 79.157.

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, 34.168, 79.157

Protanopia

70, 31.971, 95.456

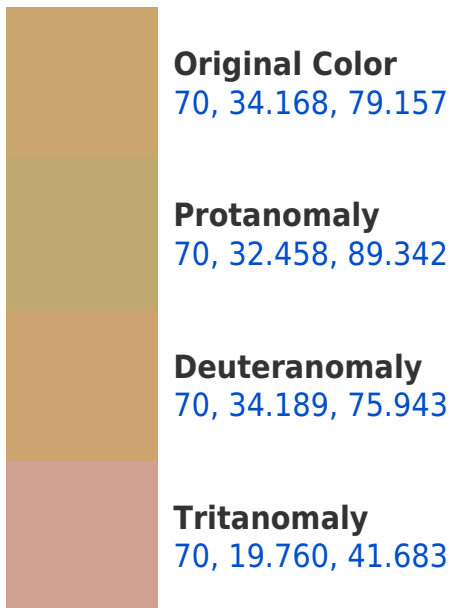
Deuteranopia

70, 34.435, 75.340



Tritanopia
70, 20.406, 2.791

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 34.168, 79.157 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(202, 165, 110)` looks like.

```
.text, #text, p{  
    color:rgb(202, 165, 110)  
}
```

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(202, 165, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 165, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 34.168, 79.157 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(202, 165, 110) }
```

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

```
.border{ border-color:rgb(202, 165, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 165, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 165, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 165, 110);  
box-shadow:4px 4px 4px 4px rgb(202, 165,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 34.168, 79.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 165, 110) }
```

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

```
.background{ background-color: rgb(202,  
165, 110) }
```

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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