

Converting Colors

CIELCh(70, 35.693, 81.546)

Have a look what the booklet for
CIELCh(70, 35.693, 81.546) contains.

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Color

CIELCh(70, 35.638, 81.653)

Conversions

Conversions Part 1

Format	Color
Hex	C9A66B
RGB	201, 166, 107
RGB Percent	79%, 65%, 42%
CMY	0.2118, 0.3490, 0.5804
CMYK	0.00, 0.17, 0.47, 0.21
HSL	38°, 47%, 60%
HSV	38°, 47%, 79%
XYZ	40.3755, 40.7494, 19.6464
YIQ	169.7390, 39.7990, -10.9290

Conversions

Conversions Part 2

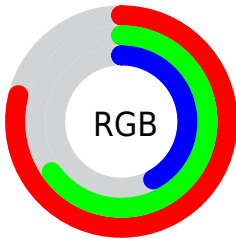
Format	Color
RYB	163, 201, 107
Decimal	13215339
CIELab	70.00, 5.17, 35.26
CIElCh	70, 35.638, 81.653
Yxy	40.7494, 0.4007, 0.4044
Android (android.graphics.Color)	4291405419 (0xFFC9A66B)
YUV	169.7390, -30.9303, 27.4159
Hunter-Lab	63.8353, 1.1886, 26.4372

Details

The CIELCh color **70, 35.638, 81.653** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **59, 34.520, 276.346**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 34.956, 84.428**, and **50, 35.618, 81.333** is the 20% darker color. If you saturate the color by 10%, you get **68, 43.571, 80.207**, and if you desaturate by 10%, it is **72, 27.723, 83.058**.

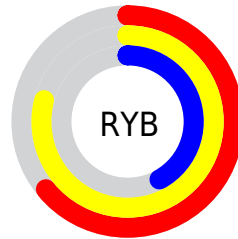
Distribution



Red (79%)

Green (65%)

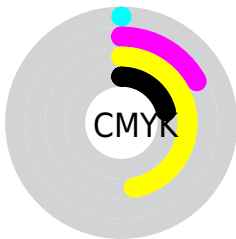
Blue (42%)



Red (64%)

Yellow (79%)

Blue (42%)

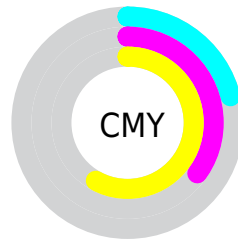


Cyan (0%)

Magenta (17%)

Yellow (47%)

Black (21%)



Cyan (21%)

Magenta (35%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 35.638, 81.653 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, 35.638, 81.653 by changing the saturation by 10% instead.

■ 70, 35.638, 81.653

■ 70, 35.638, 81.653

■ 100, 35.638,
81.653

■ 60, 35.638, 81.653

■ 90, 35.638, 81.653

■ 50, 35.638, 81.653

■ 40, 35.638, 81.653

■ 30, 35.638, 81.653

■ 20, 35.638, 81.653

■ 10, 35.638, 81.653

■ 0, 35.638, 81.653

■ 70, 35.638, 81.653

■ 70, 35.638, 81.653

■ 68, 43.571, 80.207

■ 72, 27.723, 83.058

66, 51.298, 78.677

75, 19.935, 84.418

64, 58.410, 76.999

77, 12.323, 85.735

62, 64.233, 75.039

79, 4.903, 86.985

60, 67.990, 72.592

82, 2.326, 268.396

59, 69.016, 71.775

84, 9.374, 269.499

87, 16.253,
270.627

89, 17.009,
262.744

91, 15.217,
246.737

Harmonies

Complementary

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



70, 35.638, 81.653



59, 34.520, 276.346

Rectangle

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



70, 35.638, 81.653



70, 35.638, 131.653



70, 35.638, 261.653



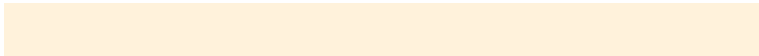
70, 35.638, 311.653

Sweetspot

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



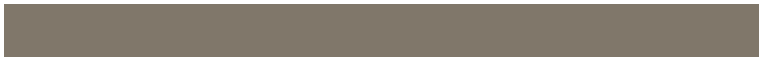
70, 35.638, 81.658



96, 12.439, 86.064



57, 41.460, 356.088



51, 8.613, 85.784



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, 35.638, 81.658



84, 52.142, 80.204



78, 48.685, 111.131



41, 4.090, 86.670



49, 59.106, 72.297



9, 13.555, 73.914

Inverse Universe

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



59, 34.520, 276.346



68, 50.451, 279.096



50, 54.988, 299.958



39, 4.072, 269.160



29, 65.039, 293.899



4, 16.065, 279.022

Previews

White Background



This preview shows how the CIELCh color 70, 35.638, 81.653 looks on a white background.

Color Contrast Check

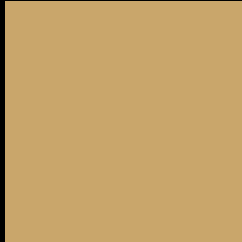
Large Text (above 18pt) WCAG AA × Fail

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, 35.638, 81.653 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, 35.638, 81.653

Background



This preview shows how black text looks on a background with the CIELCh color 70, 35.638, 81.653.



This preview shows how white text looks on a background with the CIELCh color 70, 35.638, 81.653.

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, 35.638, 81.653

Protanopia

70, 34.032, 95.884

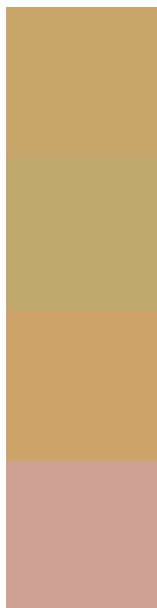
Deuteranopia

70, 36.087, 75.837



Tritanopia
70, 20.033, 2.383

Trichromacy



Original Color
70, 35.638, 81.653

Protanomaly
70, 34.351, 90.784

Deuteranomaly
70, 35.801, 77.964

Tritanomaly
70, 19.622, 43.495

Monochromacy



Original Color
70, 35.638, 81.653

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 12.931, 87.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 35.638, 81.653 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(201, 166, 107)` looks like.

```
.text, #text, p{  
    color:rgb(201, 166, 107)  
}
```

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(201, 166, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 166, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 35.638, 81.653 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(201, 166, 107) }
```

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

```
.border{ border-color:rgb(201, 166, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 166, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 166, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 166, 107);  
box-shadow:4px 4px 4px 4px rgb(201, 166,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 35.638, 81.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 166, 107) }
```

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

```
.background{ background-color: rgb(201,  
166, 107) }
```

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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