

Converting Colors

CIELCh(69, 21.522, 101.476)

Have a look what the booklet for
CIELCh(69, 21.522, 101.476)
contains.

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Color

CIELCh(69, 21.838, 102.543)

Conversions

Conversions Part 1

Format	Color
Hex	AFAA82
RGB	175, 170, 130
RGB Percent	69%, 67%, 51%
CMY	0.3147, 0.3343, 0.4911
CMYK	0.00, 0.03, 0.26, 0.31
HSL	53°, 22%, 60%
HSV	53°, 26%, 69%
XYZ	35.9622, 39.3444, 26.7329
YIQ	166.9350, 15.8200, -11.3800

Conversions

Conversions Part 2

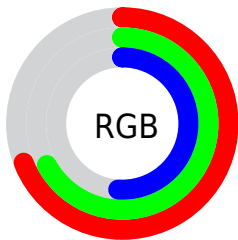
Format	Color
RYB	136, 175, 130
Decimal	11512450
CIELab	69.00, -4.74, 21.32
CIELCh	69, 21.838, 102.543
Yxy	39.3444, 0.3524, 0.3856
Android (android.graphics.Color)	4289702530 (0xFFAFAA82)
YUV	166.9350, -18.2090, 7.0730
Hunter-Lab	62.7251, -7.4296, 18.6387

Details

The CIELCh color **69, 21.838, 102.543** is a light color, and the websafe version is hex **999966**. A complement of this color would be **57, 22.845, 288.507**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 21.825, 102.305**, and **49, 22.050, 102.548** is the 20% darker color. If you saturate the color by 10%, you get **68, 30.226, 101.468**, and if you desaturate by 10%, it is **70, 13.365, 103.617**.

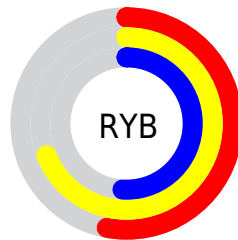
Distribution



Red (69%)

Green (67%)

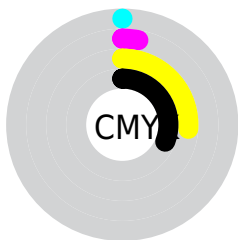
Blue (51%)



Red (53%)

Yellow (69%)

Blue (51%)

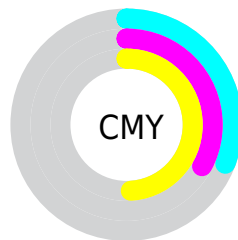


Cyan (0%)

Magenta (3%)

Yellow (26%)

Black (31%)



Cyan (31%)

Magenta (33%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 21.838, 102.543 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 69, 21.838, 102.543 by changing the saturation by 10% instead.

 69, 21.838,
102.543

 69, 21.838,
102.543


 100, 21.838,
102.543

 59, 21.838,
102.543

 89, 21.838,
102.543

 49, 21.838,
102.543

 99, 21.838,
102.543

 39, 21.838,
102.543

 29, 21.838,
102.543

 19, 21.838,
102.543

 9, 21.838, 102.543

 0, 21.838, 102.543

69, 21.838,
102.543

69, 21.838,
102.543

68, 30.226,
101.468

70, 13.365,
103.617

67, 38.418,
100.391

71, 4.867, 104.655

67, 46.242, 99.332

72, 3.616, 285.727

66, 53.424, 98.308

73, 12.061,
286.696

65, 59.560, 97.335

74, 20.453,
287.642

65, 64.145, 96.420

75, 28.785,
288.547

64, 66.757, 95.556

64, 67.576, 95.197

76, 37.051,
289.409

77, 37.535,
288.591

■ 77, 36.481,
287.384

Harmonies

Complementary

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



69, 21.838, 102.543



57, 22.845, 288.507

Rectangle

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



69, 21.838, 102.543



69, 21.838, 152.543



69, 21.838, 282.543



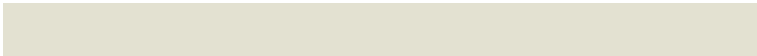
69, 21.838, 332.543

Sweetspot

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



69, 21.839, 102.548



89, 8.392, 104.412



59, 18.551, 12.330



48, 6.014, 104.258



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 21.839, 102.548



87, 32.480, 101.922



69, 25.370, 123.586



36, 4.772, 104.292



56, 60.574, 95.297



6, 9.621, 102.844

Inverse Universe

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



57, 22.845, 288.507



69, 34.390, 289.433



57, 26.516, 306.336



34, 4.852, 286.300



18, 84.573, 304.462



1, 10.335, 286.260

Previews

White Background



This preview shows how the CIELCh color 69, 21.838, 102.543 looks on a white background.

Color Contrast Check

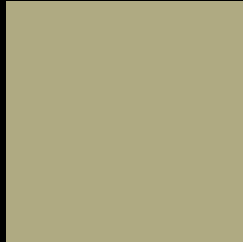
Large Text (above 18pt) WCAG AA × Fail

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 69, 21.838, 102.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

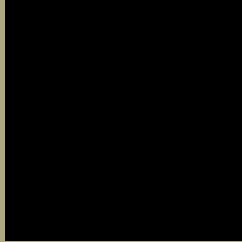
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 21.838, 102.543

Background



This preview shows how black text looks on a background with the CIELCh color 69, 21.838, 102.543.



This preview shows how white text looks on a background with the CIELCh color 69, 21.838, 102.543.

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
69, 21.838, 102.543

Protanopia
69, 21.831, 94.833

Deuteranopia
69, 22.606, 68.096



Tritanopia
69, 9.215, 334.646

Trichromacy



Original Color
69, 21.838, 102.543

Protanomaly
69, 22.082, 98.245

Deuteranomaly
69, 21.180, 80.156

Tritanomaly
69, 6.341, 56.760

Monochromacy



Original Color
69, 21.838, 102.543

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 8.239, 103.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 21.838, 102.543 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(175, 170, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 170, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 21.838, 102.543 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, 130) }
```

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

```
.border{ border-color:rgb(175, 170, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 170, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 170, 130);  
box-shadow:4px 4px 4px 4px rgb(175, 170,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 21.838, 102.543 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, 130) }
```

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

```
.background{ background-color: rgb(175,  
170, 130) }
```

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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