

Converting Colors

CIELCh(69, 21.347, 101.715)

Have a look what the booklet for
CIELCh(69, 21.347, 101.715)
contains.

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Color

CIELCh(69, 21.302, 102.473)

Conversions

Conversions Part 1

Format	Color
Hex	AFAA83
RGB	175, 170, 131
RGB Percent	69%, 67%, 51%
CMY	0.3149, 0.3345, 0.4874
CMYK	0.00, 0.03, 0.25, 0.31
HSL	53°, 21%, 60%
HSV	53°, 25%, 69%
XYZ	36.0045, 39.3444, 27.0657
YIQ	167.0490, 15.4990, -11.0690

Conversions

Conversions Part 2

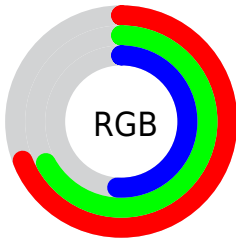
Format	Color
RYB	137, 175, 131
Decimal	11512451
CIELab	69.00, -4.60, 20.80
CIElCh	69, 21.302, 102.473
Yxy	39.3444, 0.3516, 0.3842
Android (android.graphics.Color)	4289702531 (0xFFAFAA83)
YUV	167.0490, -17.7722, 6.9730
Hunter-Lab	62.7251, -7.3091, 18.3241

Details

The CIELCh color **69, 21.302, 102.473** is a light color, and the websafe version is hex **999966**. A complement of this color would be **57, 22.250, 288.302**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 21.313, 102.211**, and **49, 21.486, 102.513** is the 20% darker color. If you saturate the color by 10%, you get **68, 29.678, 101.395**, and if you desaturate by 10%, it is **70, 12.848, 103.548**.

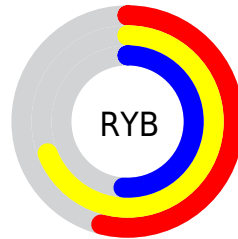
Distribution



Red (69%)

Green (67%)

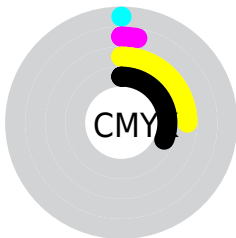
Blue (51%)



Red (54%)

Yellow (69%)

Blue (51%)

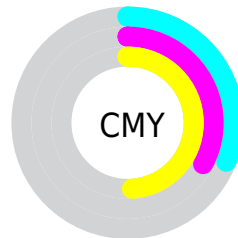


Cyan (0%)

Magenta (3%)

Yellow (25%)

Black (31%)



Cyan (31%)


Magenta (33%)

Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 21.302, 102.473 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, 21.302, 102.473 by changing the saturation by 10% instead.

 69, 21.302,
102.473


 69, 21.302,
102.473


 100, 21.302,
102.473

 59, 21.302,
102.473


 89, 21.302,
102.473

 49, 21.302,
102.473

 99, 21.302,
102.473

 39, 21.302,
102.473

 29, 21.302,
102.473

 19, 21.302,
102.473

 9, 21.302, 102.473

 0, 21.302, 102.473

69, 21.302,
102.473

69, 21.302,
102.473

68, 29.678,
101.395

70, 12.848,
103.548

67, 37.868,
100.314

71, 4.373, 104.586

67, 45.706, 99.249

72, 4.084, 285.657

66, 52.925, 98.216

73, 12.500,
286.629

65, 59.129, 97.231

74, 20.863,
287.574

65, 63.814, 96.302

75, 29.164,
288.479

64, 66.530, 95.420

64, 67.455, 95.006

76, 37.399,
289.339

77, 37.376,
288.388

■ 77, 36.301,
287.143

Harmonies

Complementary

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



69, 21.302, 102.473



57, 22.250, 288.302

Rectangle

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



69, 21.302, 102.473



69, 21.302, 152.473



69, 21.302, 282.473



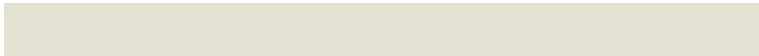
69, 21.302, 332.473

Sweetspot

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



69, 21.303, 102.478



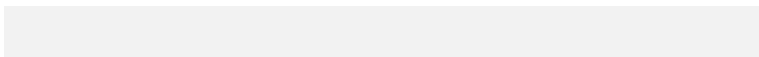
89, 8.370, 104.285



59, 18.109, 12.259



48, 5.998, 104.131



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, 21.303, 102.478



87, 31.367, 101.900



69, 24.810, 123.616



36, 4.760, 104.165



55, 60.480, 95.109



6, 9.586, 102.658

Inverse Universe

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



57, 22.250, 288.302



70, 33.122, 289.147



58, 25.904, 306.300



34, 4.839, 286.178



18, 84.416, 304.409



1, 10.313, 286.163

Previews

White Background



This preview shows how the CIELCh color 69, 21.302, 102.473 looks on a white background.

Color Contrast Check

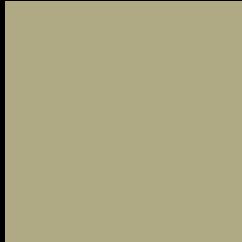
Large Text (above 18pt) WCAG AA × Fail

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, 21.302, 102.473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

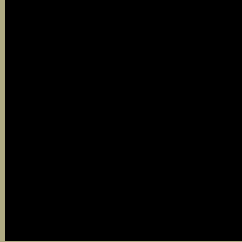
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

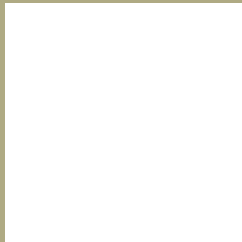
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 21.302, 102.473

Background



This preview shows how black text looks on a background with the CIELCh color 69, 21.302, 102.473.



This preview shows how white text looks on a background with the CIELCh color 69, 21.302, 102.473.

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, 21.302, 102.473

Protanopia

69, 21.303, 94.582

Deuteranopia

69, 22.172, 67.288



Tritanopia
69, 8.957, 332.876

Trichromacy



Original Color
69, 21.302, 102.473

Protanomaly
69, 21.550, 98.077

Deuteranomaly
69, 20.691, 79.546

Tritanomaly
69, 5.690, 54.835

Monochromacy



Original Color
69, 21.302, 102.473

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 7.694, 103.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 21.302, 102.473 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(175, 170, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 170, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 21.302, 102.473 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, 131) }
```

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

```
.border{ border-color:rgb(175, 170, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 170, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 170, 131);  
box-shadow:4px 4px 4px 4px rgb(175, 170,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 21.302, 102.473 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, 131) }
```

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

```
.background{ background-color: rgb(175,  
170, 131) }
```

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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