

Converting Colors

CIELCh(69, 21.991, 123.767)

Have a look what the booklet for
CIELCh(69, 21.991, 123.767)
contains.

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Color

CIELCh(69, 22.040, 123.810)

Conversions

Conversions Part 1

Format	Color
Hex	9FAE87
RGB	159, 174, 135
RGB Percent	62%, 68%, 53%
CMY	0.3768, 0.3180, 0.4709
CMYK	0.09, 0.00, 0.22, 0.32
HSL	83°, 19%, 61%
HSV	83°, 22%, 68%
XYZ	33.7647, 39.3444, 28.7032
YIQ	165.0690, 3.5790, -15.3090

Conversions

Conversions Part 2

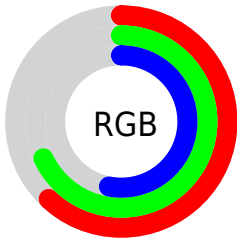
Format	Color
RYB	135, 174, 150
Decimal	10464903
CIELab	69.00, -12.26, 18.31
CIELCh	69, 22.040, 123.810
Yxy	39.3444, 0.3316, 0.3864
Android (android.graphics.Color)	4288654983 (0xFF9FAE87)
YUV	165.0690, -14.8240, -5.3225
Hunter-Lab	62.7251, -13.6831, 16.7763

Details

The CIELCh color **69, 22.040, 123.810** is a light color, and the websafe version is hex **999966**. A complement of this color would be **59, 22.895, 306.173**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 21.948, 123.316**, and **49, 22.354, 124.239** is the 20% darker color. If you saturate the color by 10%, you get **68, 31.744, 123.293**, and if you desaturate by 10%, it is **70, 12.226, 124.332**.

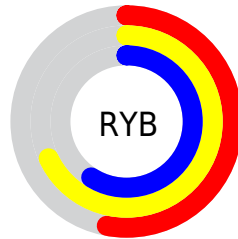
Distribution



Red (62%)

Green (68%)

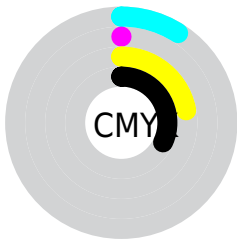
Blue (53%)



Red (53%)

Yellow (68%)

Blue (59%)

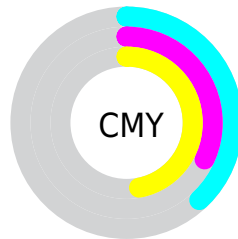


Cyan (9%)

Magenta (0%)

Yellow (22%)

Black (32%)



Cyan (38%)


Magenta (32%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 22.040, 123.810 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, 22.040, 123.810 by changing the saturation by 10% instead.


 69, 22.040,
123.810


 69, 22.040,
123.810


 100, 22.040,
123.810


 59, 22.040,
123.810


 89, 22.040,
123.810

 49, 22.040,
123.810

 99, 22.040,
123.810

 39, 22.040,
123.810

 29, 22.040,
123.810

 19, 22.040,
123.810

 9, 22.040, 123.810

 0, 22.040, 123.810

69, 22.040,
123.810

69, 22.040,
123.810

68, 31.744,
123.293

70, 12.226,
124.332

67, 41.219,
122.797

71, 2.378, 124.856

72, 7.448, 305.289

67, 50.295,
122.367

73, 17.211,
305.736

66, 58.728,
122.065

74, 26.883,
306.145

66, 66.173,
121.979

75, 36.443,
306.520

65, 72.213,
122.224

76, 45.028,
307.091

65, 76.476,
122.908

77, 45.513,
309.821

64, 78.775,

123.640

 78, 46.091,
312.528

Harmonies

Complementary

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



69, 22.040, 123.810



59, 22.895, 306.173

Rectangle

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



69, 22.040, 123.810



69, 22.040, 173.810



69, 22.040, 303.810



69, 22.040, 353.810

Sweetspot

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



69, 22.042, 123.812



89, 8.548, 124.604



64, 12.948, 59.731



48, 5.599, 124.574



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, 22.042, 123.812



87, 32.899, 123.549



68, 25.290, 140.017



36, 5.556, 124.493



56, 70.702, 123.453



6, 11.996, 128.382

Inverse Universe

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



59, 22.895, 306.173



72, 34.495, 306.494



61, 25.437, 322.291



34, 5.648, 305.409



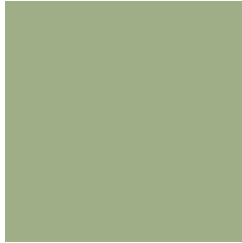
20, 86.066, 309.768



1, 11.640, 302.316

Previews

White Background



This preview shows how the CIELCh color 69, 22.040, 123.810 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 69, 22.040, 123.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

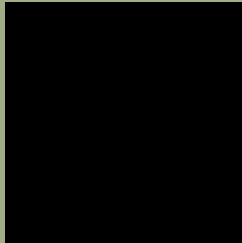
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 22.040, 123.810

Background



This preview shows how black text looks on a background with the CIELCh color 69, 22.040, 123.810.



This preview shows how white text looks on a background with the CIELCh color 69, 22.040, 123.810.

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





Tritanopia
69, 7.167, 285.068

Trichromacy



Original Color
69, 22.040, 123.810

Protanomaly
69, 20.145, 105.788

Deuteranomaly
69, 17.689, 86.731

Tritanomaly
69, 4.245, 148.429

Monochromacy



Original Color
69, 22.040, 123.810

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 7.929, 123.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 22.040, 123.810 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(159, 174, 135)` looks like.

```
.text, #text, p{  
    color:rgb(159, 174, 135)  
}
```

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(159, 174, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 174, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 22.040, 123.810 is called "border". The border property can be set on classes, ids or directly on the HTML element.

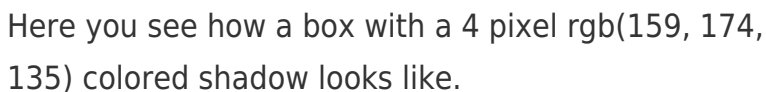
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 174, 135) }
```

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

```
.border{ border-color:rgb(159, 174, 135) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 174, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 174, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 174, 135);  
box-shadow:4px 4px 4px 4px rgb(159, 174,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 22.040, 123.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 174, 135) }
```

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

```
.background{ background-color: rgb(159,  
174, 135) }
```

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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