

Converting Colors

CIELCh(68, 19.922, 98.639)

Have a look what the booklet for
CIELCh(68, 19.922, 98.639) contains.

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Color

CIELCh(68, 19.944, 98.623)

Conversions

Conversions Part 1

Format	Color
Hex	AEA682
RGB	174, 166, 130
RGB Percent	68%, 65%, 51%
CMY	0.3169, 0.3483, 0.4895
CMYK	0.00, 0.05, 0.25, 0.32
HSL	49°, 21%, 60%
HSV	49°, 25%, 68%
XYZ	35.2044, 37.9720, 26.6524
YIQ	164.2880, 16.3240, -9.5000

Conversions

Conversions Part 2

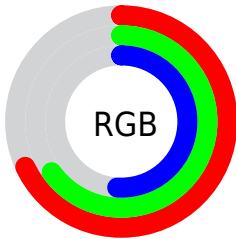
Format	Color
RYB	140, 174, 130
Decimal	11445890
CIELab	68.00, -2.99, 19.72
CIElCh	68, 19.944, 98.623
Yxy	37.9720, 0.3526, 0.3804
Android (android.graphics.Color)	4289635970 (0xFFAEA682)
YUV	164.2880, -16.9040, 8.5174
Hunter-Lab	61.6215, -5.8602, 17.4910

Details

The CIELCh color **68, 19.944, 98.623** is a light color, and the websafe version is hex **999966**. A complement of this color would be **58, 20.588, 284.813**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 20.011, 98.555**, and **48, 20.073, 98.416** is the 20% darker color. If you saturate the color by 10%, you get **67, 27.844, 97.458**, and if you desaturate by 10%, it is **69, 12.024, 99.773**.

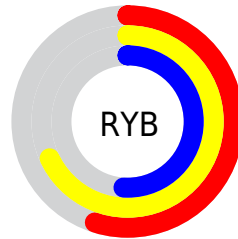
Distribution



Red (68%)

Green (65%)

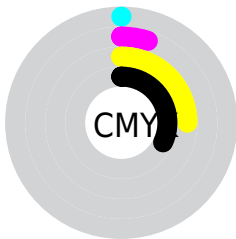
Blue (51%)



Red (55%)

Yellow (68%)

Blue (51%)

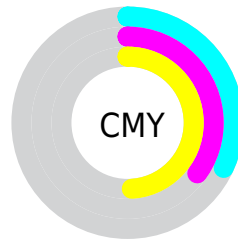


Cyan (0%)

Magenta (5%)

Yellow (25%)

Black (32%)



Cyan (32%)

Magenta (35%)

Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 19.944, 98.623 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 68, 19.944, 98.623 by changing the saturation by 10% instead.

 68, 19.944, 98.623

 68, 19.944, 98.623

 100, 19.944,
98.623

 58, 19.944, 98.623

 88, 19.944, 98.623

 48, 19.944, 98.623

 98, 19.944, 98.623

 38, 19.944, 98.623

 28, 19.944, 98.623

 18, 19.944, 98.623

 8, 19.944, 98.623

 0, 19.944, 98.623

 68, 19.944, 98.623

 68, 19.944, 98.623

 67, 27.844, 97.458

 69, 12.024, 99.773

66, 35.633, 96.272

70, 4.129, 100.870

65, 43.165, 95.077

72, 3.712, 282.020

64, 50.194, 93.878

73, 11.486,
283.037

63, 56.333, 92.671

75, 19.186,
284.028

62, 61.053, 91.438

61, 63.828, 90.132

76, 26.809,
284.976

60, 64.785, 89.506

77, 34.355,
285.878

78, 34.225,
284.180

79, 32.617,
281.779

Harmonies

Complementary

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



68, 19.944, 98.623



58, 20.588, 284.813

Rectangle

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



68, 19.944, 98.623



68, 19.944, 148.623



68, 19.944, 278.623



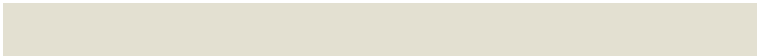
68, 19.944, 328.623

Sweetspot

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



68, 19.945, 98.629



89, 7.792, 100.564



59, 18.321, 7.148



47, 5.586, 100.401



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 19.945, 98.629



86, 29.380, 98.015



69, 24.523, 121.019



36, 4.432, 100.437



53, 58.224, 89.684



6, 8.706, 97.248

Inverse Universe

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



58, 20.588, 284.813



71, 30.568, 285.685



57, 25.726, 304.017



34, 4.488, 282.573



20, 79.401, 302.610



1, 9.719, 283.343

Previews

White Background



This preview shows how the CIELCh color 68, 19.944, 98.623 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 68, 19.944, 98.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

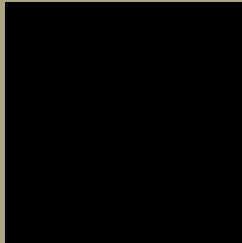
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

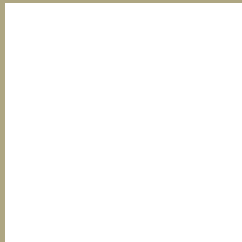
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 19.944, 98.623

Background



This preview shows how black text looks on a background with the CIELCh color 68, 19.944, 98.623.



This preview shows how white text looks on a background with the CIELCh color 68, 19.944, 98.623.

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


68, 19.944, 98.623

Protanopia

68, 19.684, 94.849

Deuteranopia

68, 20.688, 65.413



Tritanopia
68, 10.443, 337.142

Trichromacy



Original Color
68, 19.944, 98.623

Protanomaly
68, 19.590, 96.030

Deuteranomaly
68, 19.798, 78.168

Tritanomaly
68, 6.828, 43.490

Monochromacy



Original Color
68, 19.944, 98.623

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 7.224, 100.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 19.944, 98.623 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(174, 166, 130)` looks like.

```
.text, #text, p{  
    color:rgb(174, 166, 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(174, 166, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 166, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 19.944, 98.623 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(174, 166, 130) }
```

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

```
.border{ border-color:rgb(174, 166, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 166, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 166, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 166, 130);  
box-shadow:4px 4px 4px 4px rgb(174, 166,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 19.944, 98.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 166, 130) }
```

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

```
.background{ background-color: rgb(174,  
166, 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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