

Converting Colors

CIELCh(68, 12.118, 136.298)

Have a look what the booklet for
CIELCh(68, 12.118, 136.298)
contains.

CIELCh(68, 12.274, 135.243)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 12.274, 135.243)

Conversions

Conversions Part 1

Format	Color
Hex	9CAA96
RGB	156, 170, 150
RGB Percent	61%, 67%, 59%
CMY	0.3886, 0.3337, 0.4121
CMYK	0.08, 0.00, 0.12, 0.33
HSL	102°, 11%, 63%
HSV	102°, 12%, 67%
XYZ	33.5471, 37.9720, 34.3765
YIQ	163.5340, -1.9240, -9.1880

Conversions

Conversions Part 2

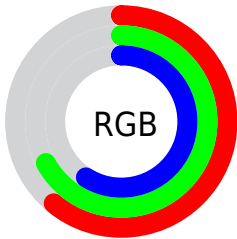
Format	Color
RYB	150, 170, 164
Decimal	10267286
CIELab	68.00, -8.72, 8.64
CIELCh	68, 12.274, 135.243
Yxy	37.9720, 0.3168, 0.3586
Android (android.graphics.Color)	4288457366 (0xFF9CAA96)
YUV	163.5340, -6.6723, -6.6073
Hunter-Lab	61.6215, -10.6609, 10.0591

Details


The CIELCh color $68, 12.274, 135.243$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $64, 12.391, 316.209$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 12.104, 134.288$, and $48, 12.420, 134.565$ is the 20% darker color. If you saturate the color by 10%, you get $67, 22.760, 134.757$, and if you desaturate by 10%, it is $69, 1.832, 135.752$.

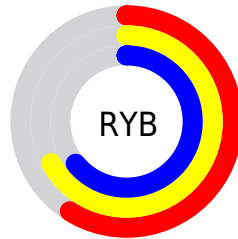
Distribution



 Red (61%)

 Green (67%)

 Blue (59%)



 Red (59%)

 Yellow (67%)

 Blue (64%)

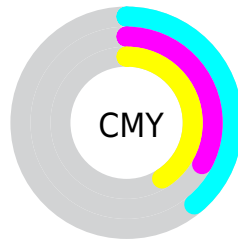


 Cyan (8%)


 Magenta (0%)

 Yellow (12%)

 Black (33%)



 Cyan (39%)

 Magenta (33%)

 Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 12.274, 135.243 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, 12.274, 135.243 by changing the saturation by 10% instead.


 68, 12.274,
135.243

 68, 12.274,
135.243


 100, 12.274,
135.243


 58, 12.274,
135.243


 88, 12.274,
135.243

 48, 12.274,
135.243

 98, 12.274,
135.243

 38, 12.274,
135.243

 28, 12.274,
135.243

 18, 12.274,
135.243

 8, 12.274, 135.243

 0, 12.274, 135.243

68, 12.274,
135.243

68, 12.274,
135.243

67, 22.760,
134.757

69, 1.832, 135.752

66, 33.185,
134.232

71, 8.500, 316.029

65, 43.411,
133.682

72, 18.670,
316.375

64, 53.247,
133.139

74, 28.645,
316.670

63, 62.427,
132.661

76, 38.403,
316.924

62, 70.596,
132.336

77, 47.932,
317.143

62, 77.324,
132.282

79, 50.859,
320.728

61, 82.209,

80, 52.547,
324.917

132.616

80, 53.158,
326.257

61, 85.040,
133.073

Harmonies

Complementary

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



68, 12.274, 135.243



64, 12.391, 316.209

Rectangle

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



68, 12.274, 135.243



68, 12.274, 185.243



68, 12.274, 315.243



68, 12.274, 5.243

Sweetspot

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



68, 12.276, 135.245



88, 5.158, 135.607



67, 8.036, 92.259



47, 3.698, 135.570



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 12.276, 135.245



86, 18.154, 135.127



68, 11.711, 149.785



35, 5.849, 135.361



54, 76.659, 132.925



5, 10.787, 137.045

Inverse Universe

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



64, 12.391, 316.209



80, 18.354, 316.317



64, 11.749, 331.228



33, 5.896, 316.101



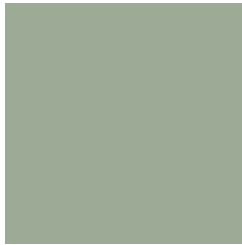
27, 79.701, 317.530



1, 10.455, 313.316

Previews

White Background



This preview shows how the CIELCh color 68, 12.274, 135.243 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, 12.274, 135.243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

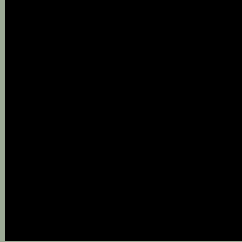
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

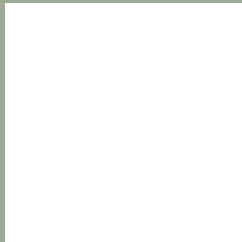
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 12.274, 135.243

Background



This preview shows how black text looks on a background with the CIELCh color 68, 12.274, 135.243.



This preview shows how white text looks on a background with the CIELCh color 68, 12.274, 135.243.

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](#).

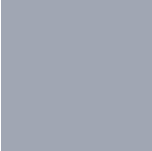
Dichromacy



Original Color
68, 12.274, 135.243

Protanopia
68, 10.364, 91.272

Deuteranopia
68, 11.269, 43.019



Tritanopia
68, 7.443, 273.898

Trichromacy



Original Color
68, 12.274, 135.243

Protanomaly
68, 10.407, 109.098

Deuteranomaly
68, 8.347, 78.054

Tritanomaly
68, 3.023, 209.820

Monochromacy



Original Color
68, 12.274, 135.243

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 4.982, 137.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 12.274, 135.243 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(156, 170, 150)` looks like.

```
.text, #text, p{  
    color:rgb(156, 170, 150)  
}
```

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(156, 170, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 170, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 12.274, 135.243 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(156, 170, 150) }
```

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

```
.border{ border-color:rgb(156, 170, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 170, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 170, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 170, 150);  
box-shadow:4px 4px 4px 4px rgb(156, 170,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 12.274, 135.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 170, 150) }
```

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

```
.background{ background-color: rgb(156,  
170, 150) }
```

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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