

Converting Colors

CIELCh(68, 13.641, 137.001)

Have a look what the booklet for
CIELCh(68, 13.641, 137.001)
contains.

CIELCh(68, 13.785, 137.419)	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, 13.785, 137.419)

Conversions

Conversions Part 1

Format	Color
Hex	9AAB95
RGB	154, 171, 149
RGB Percent	60%, 67%, 58%
CMY	0.3976, 0.3309, 0.4171
CMYK	0.10, 0.00, 0.13, 0.33
HSL	106°, 12%, 63%
HSV	106°, 13%, 67%
XYZ	33.1402, 37.9720, 33.8602
YIQ	163.4090, -3.0700, -10.4460

Conversions

Conversions Part 2

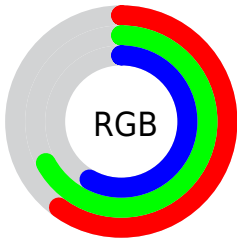
Format	Color
RYB	149, 171, 166
Decimal	10136469
CIELab	68.00, -10.15, 9.33
CIELCh	68, 13.785, 137.419
Yxy	37.9720, 0.3157, 0.3617
Android (android.graphics.Color)	4288326549 (0xFF9AAB95)
YUV	163.4090, -7.1036, -8.2517
Hunter-Lab	61.6215, -11.8396, 10.5559

Details

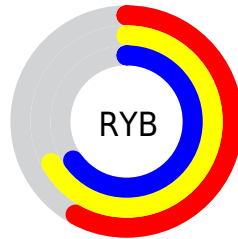
The CIELCh color $68, 13.785, 137.419$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $64, 13.891, 318.530$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 13.705, 137.838$, and $48, 14.031, 136.880$ is the 20% darker color. If you saturate the color by 10%, you get $67, 24.547, 136.892$, and if you desaturate by 10%, it is $69, 3.069, 137.928$.

Distribution



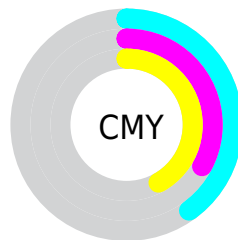
- Red (60%)
- Green (67%)
- Blue (58%)



- Red (58%)
- Yellow (67%)
- Blue (65%)



- Cyan (10%)
- Magenta (0%)
- Yellow (13%)
- Black (33%)




- Cyan (40%)
- Magenta (33%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 13.785, 137.419 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, 13.785, 137.419 by changing the saturation by 10% instead.


 68, 13.785,
137.419


 68, 13.785,
137.419


 100, 13.785,
137.419


 58, 13.785,
137.419


 88, 13.785,
137.419

 48, 13.785,
137.419

 98, 13.785,
137.419

 38, 13.785,
137.419

 28, 13.785,
137.419

 18, 13.785,
137.419

 8, 13.785, 137.419

 0, 13.785, 137.419

68, 13.785,
137.419

68, 13.785,
137.419

67, 24.547,
136.892

69, 3.069, 137.928

66, 35.234,
136.312

71, 7.524, 318.250

65, 45.687,
135.691

73, 17.934,
318.614

64, 55.692,
135.059

74, 28.123,
318.919

63, 64.954,
134.474

76, 38.068,
319.178

62, 73.092,
134.026

78, 47.754,
319.400

62, 79.661,
133.836

79, 51.349,
323.091

61, 84.260,

80, 52.726,
326.243

134.015

■ 61, 86.567,
134.246

Harmonies

Complementary

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



68, 13.785, 137.419



64, 13.891, 318.530

Rectangle

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



68, 13.785, 137.419



68, 13.785, 187.419



68, 13.785, 317.419



68, 13.785, 7.419

Sweetspot

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



68, 13.787, 137.420



88, 5.267, 137.860



68, 9.457, 96.828



47, 3.776, 137.821



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, 13.787, 137.420



86, 19.883, 137.299



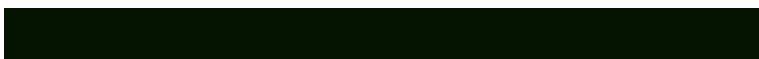
68, 12.260, 152.108



35, 5.975, 137.599



53, 77.811, 134.121



5, 10.984, 138.947

Inverse Universe

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



64, 13.891, 318.530



80, 20.054, 318.636



64, 12.321, 333.794



33, 6.012, 318.369



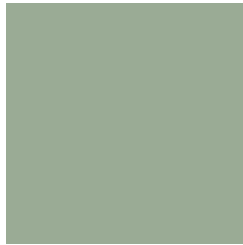
29, 78.736, 319.897



1, 10.684, 315.946

Previews

White Background



This preview shows how the CIELCh color 68, 13.785, 137.419 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, 13.785, 137.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

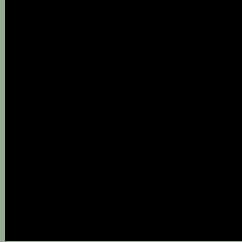
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

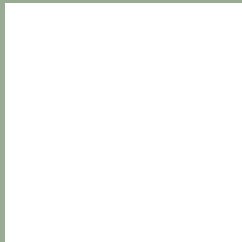
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 13.785, 137.419

Background



This preview shows how black text looks on a background with the CIELCh color 68, 13.785, 137.419.



This preview shows how white text looks on a background with the CIELCh color 68, 13.785, 137.419.

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](#).

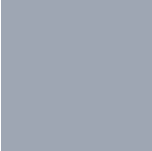
Dichromacy



Original Color
68, 13.785, 137.419

Protanopia
68, 10.889, 92.067

Deuteranopia
68, 11.891, 44.635



Tritanopia
68, 7.669, 268.728

Trichromacy



Original Color
68, 13.785, 137.419

Protanomaly
68, 10.964, 111.103

Deuteranomaly
68, 8.826, 79.805

Tritanomaly
68, 4.454, 199.129

Monochromacy



Original Color
68, 13.785, 137.419

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, 13.785, 137.419 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(154, 171, 149)` looks like.

```
.text, #text, p{  
    color:rgb(154, 171, 149)  
}
```

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(154, 171, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 171, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 13.785, 137.419 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(154, 171, 149) }
```

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

```
.border{ border-color:rgb(154, 171, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 171, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 171, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 171, 149);  
box-shadow:4px 4px 4px 4px rgb(154, 171,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 13.785, 137.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 171, 149) }
```

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

```
.background{ background-color: rgb(154,  
171, 149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor