

Converting Colors

CIELCh(63, 13.796, 336.725)

Have a look what the booklet for
CIELCh(63, 13.796, 336.725)
contains.

CIELCh(63, 13.785, 337.282)	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(63, 13.785, 337.282)

Conversions

Conversions Part 1

Format	Color
Hex	AB91A2
RGB	171, 145, 162
RGB Percent	67%, 57%, 64%
CMY	0.3288, 0.4308, 0.3641
CMYK	0.00, 0.15, 0.05, 0.33
HSL	321°, 13%, 62%
HSV	321°, 15%, 67%
XYZ	33.5128, 31.5869, 38.5852
YIQ	154.7120, 10.0390, 10.7990

Conversions

Conversions Part 2

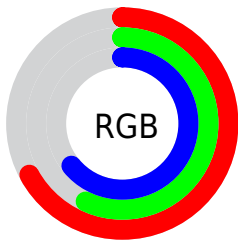
Format	Color
RYB	171, 145, 162
Decimal	11243938
CIELab	63.00, 12.72, -5.32
CIELCh	63, 13.785, 337.282
Yxy	31.5869, 0.3232, 0.3046
Android (android.graphics.Color)	4289434018 (0xFFAB91A2)
YUV	154.7120, 3.5930, 14.2846
Hunter-Lab	56.2022, 8.0839, -1.3635

Details

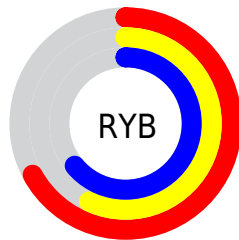
The CIELCh color $63, 13.785, 337.282$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 13.664, 155.105$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 13.683, 336.490$, and $43, 14.065, 338.310$ is the 20% darker color. If you saturate the color by 10%, you get $59, 22.960, 338.077$, and if you desaturate by 10%, it is $68, 4.674, 336.510$.

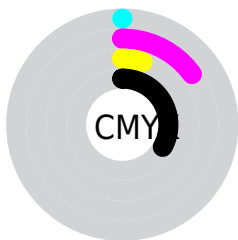
Distribution



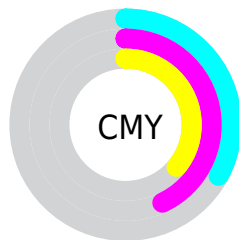
- Red (67%)
- Green (57%)
- Blue (64%)



- Red (67%)
- Yellow (57%)
- Blue (64%)



- Cyan (0%)
- Magenta (15%)
- Yellow (5%)
- Black (33%)





- Cyan (33%)
- Magenta (43%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 13.785, 337.282 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 63, 13.785, 337.282 by changing the saturation by 10% instead.


 63, 13.785,
337.282


 63, 13.785,
337.282


 100, 13.785,
337.282


 53, 13.785,
337.282


 83, 13.785,
337.282

 43, 13.785,
337.282

 93, 13.785,
337.282

 33, 13.785,
337.282

 23, 13.785,
337.282

 13, 13.785,
337.282

 3, 13.785, 337.282

 0, 13.785, 337.282

63, 13.785,
337.282

63, 13.785,
337.282

59, 22.960,
338.077

68, 4.674, 336.510

54, 32.039,
338.930

72, 4.265, 155.971

50, 40.775,
339.864

77, 12.973,
155.284

47, 48.834,
340.904

82, 21.423,
154.676

44, 55.801,
342.091

87, 29.606,
154.111

41, 61.235,
343.483

92, 37.526,
153.583


39, 64.773,
345.158

94, 39.462,
155.122

38, 66.287,

94, 37.308,
158.391

347.210

 94, 35.261,
162.030

 38, 66.671,
348.278

Harmonies

Complementary

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



63, 13.785, 337.282



68, 13.664, 155.105

Rectangle

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



63, 13.785, 337.282



63, 13.785, 27.282



63, 13.785, 157.282



63, 13.785, 207.282

Sweetspot

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



63, 13.783, 337.284



86, 5.557, 336.501



62, 15.023, 303.915



45, 3.824, 336.558



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 13.783, 337.284



78, 20.205, 337.526



63, 10.539, 7.216



34, 5.168, 336.834



33, 60.759, 347.997



2, 10.125, 340.573

Inverse Universe

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



63, 13.783, 337.284



78, 20.205, 337.526



68, 9.870, 184.572



34, 5.168, 336.834



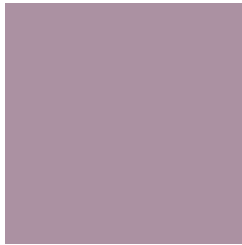
33, 60.759, 347.997



2, 10.125, 340.573

Previews

White Background



This preview shows how the CIELCh color 63, 13.785, 337.282 looks on a white background.

Color Contrast Check

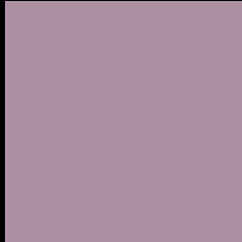
Large Text (above 18pt) WCAG AA × Fail

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 63, 13.785, 337.282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

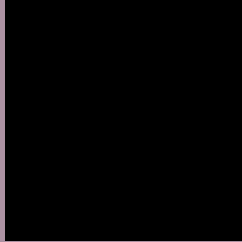
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 13.785, 337.282

Background



This preview shows how black text looks on a background with the CIELCh color 63, 13.785, 337.282.



This preview shows how white text looks on a background with the CIELCh color 63, 13.785, 337.282.

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

63, 13.785, 337.282

Protanopia

63, 7.835, 288.328

Deuteranopia

63, 9.733, 326.771



Tritanopia
63, 11.154, 347.161

Trichromacy



Original Color
63, 13.785, 337.282

Protanomaly
63, 8.956, 310.599

Deuteranomaly
63, 11.123, 331.582

Tritanomaly
63, 11.778, 342.582

Monochromacy



Original Color
63, 13.785, 337.282

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 5.502, 334.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 13.785, 337.282 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(171, 145, 162)` looks like.

```
.text, #text, p{  
    color:rgb(171, 145, 162)  
}
```

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(171, 145, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 145, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 13.785, 337.282 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(171, 145, 162) }
```

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

```
.border{ border-color:rgb(171, 145, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 145, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 145, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 145, 162);  
box-shadow:4px 4px 4px 4px rgb(171, 145,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 13.785, 337.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 145, 162) }
```

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

```
.background{ background-color: rgb(171,  
145, 162) }
```

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