

Converting Colors

CIELCh(68, 1.225, 173.971)

Have a look what the booklet for
CIELCh(68, 1.225, 173.971) contains.

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Color

CIELCh(68, 1.262, 173.853)

Conversions

Conversions Part 1

Format	Color
Hex	A3A6A5
RGB	163, 166, 165
RGB Percent	64%, 65%, 65%
CMY	0.3593, 0.3475, 0.3514
CMYK	0.02, 0.00, 0.01, 0.35
HSL	160°, 2%, 65%
HSV	160°, 2%, 65%
XYZ	35.7174, 37.9720, 41.2295
YIQ	164.9890, -1.4670, -0.9470

Conversions

Conversions Part 2

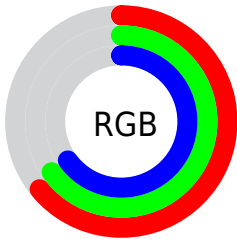
Format	Color
RYB	163, 165, 166
Decimal	10725029
CIELab	68.00, -1.25, 0.14
CIElCh	68, 1.262, 173.853
Yxy	37.9720, 0.3108, 0.3304
Android (android.graphics.Color)	4288915109 (0xFFA3A6A5)
YUV	164.9890, 0.0054, -1.7444
Hunter-Lab	61.6215, -4.3744, 3.4655

Details

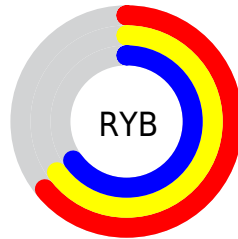
The CIELCh color **68, 1.262, 173.853** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 1.278, 353.493**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 1.195, 173.989**, and **48, 1.352, 173.695** is the 20% darker color. If you saturate the color by 10%, you get **67, 8.248, 172.626**, and if you desaturate by 10%, it is **70, 5.766, 354.272**.

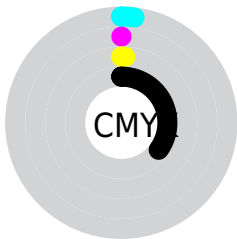
Distribution



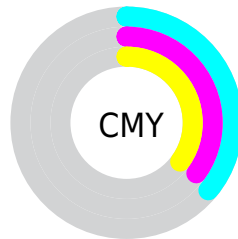
- Red (64%)
- Green (65%)
- Blue (65%)



- Red (64%)
- Yellow (65%)
- Blue (65%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (35%)



- Cyan (36%)
- Magenta (35%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 1.262, 173.853 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, 1.262, 173.853 by changing the saturation by 10% instead.

■ 68, 1.262, 173.853

■ 68, 1.262, 173.853

■ 100, 1.262,
173.853

■ 58, 1.262, 173.853

■ 88, 1.262, 173.853

■ 48, 1.262, 173.853

■ 98, 1.262, 173.853

■ 38, 1.262, 173.853

■ 28, 1.262, 173.853

■ 18, 1.262, 173.853

■ 8, 1.262, 173.853

■ 0, 1.262, 173.853

■ 68, 1.262, 173.853

■ 68, 1.262, 173.853

■ 67, 8.248, 172.626

■ 70, 5.766, 354.272

65, 15.104,
171.619

71, 12.776,
355.113

64, 21.734,
170.541

73, 19.715,
355.883

63, 28.029,
169.362

75, 26.546,
356.610

62, 33.875,
168.060

77, 33.244,
357.301

62, 39.164,
166.611

78, 37.048,
355.517

61, 43.809,
164.990

78, 38.168,
351.417

61, 47.764,
163.178

78, 39.489,
347.592

61, 51.033,
161.167

78, 40.991,
344.053

Harmonies

Complementary

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



68, 1.262, 173.853



67, 1.278, 353.493

Rectangle

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



68, 1.262, 173.853



68, 1.262, 223.853



68, 1.262, 353.853



68, 1.262, 43.853

Sweetspot

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



68, 1.264, 173.811



86, 0.865, 174.130



68, 1.811, 134.138



46, 0.496, 174.170



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



68, 1.264, 173.811



86, 1.736, 173.754



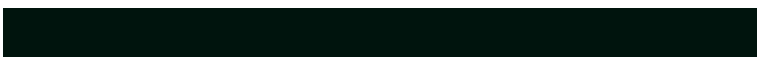
68, 0.990, 214.335



36, 0.799, 173.797



54, 48.748, 159.689



5, 7.701, 168.752

Inverse Universe

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



67, 1.278, 353.493



85, 1.756, 353.550



68, 0.999, 33.371



35, 0.809, 353.507



31, 57.322, 16.902



2, 7.157, 356.833

Previews

White Background



This preview shows how the CIELCh color 68, 1.262, 173.853 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 68, 1.262, 173.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

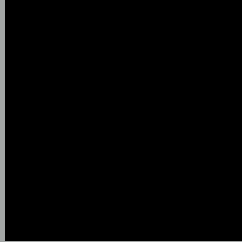
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

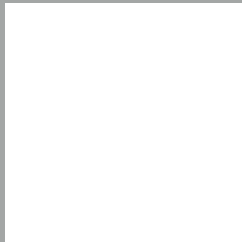
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 1.262, 173.853

Background



This preview shows how black text looks on a background with the CIELCh color 68, 1.262, 173.853.

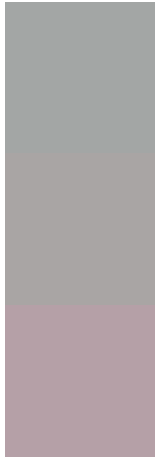


This preview shows how white text looks on a background with the CIELCh color 68, 1.262, 173.853.

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, 1.262, 173.853

Protanopia

68, 1.613, 39.121

Deuteranopia

68, 8.936, 354.739



Tritanopia
68, 7.166, 290.915

Trichromacy



Original Color
68, 1.262, 173.853

Protanomaly
68, 0.658, 74.790

Deuteranomaly
68, 5.448, 356.037

Tritanomaly
68, 3.917, 279.677

Monochromacy



Original Color
68, 1.262, 173.853

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 0.935, 163.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 1.262, 173.853 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(163, 166, 165)` looks like.

```
.text, #text, p{  
    color:rgb(163, 166, 165)  
}
```

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(163, 166, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 166, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 1.262, 173.853 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(163, 166, 165) }
```

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

```
.border{ border-color:rgb(163, 166, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 166, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 166, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 166, 165);  
box-shadow:4px 4px 4px 4px rgb(163, 166,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 1.262, 173.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 166, 165) }
```

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

```
.background{ background-color: rgb(163,  
166, 165) }
```

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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