

Converting Colors

CIELCh(68, 3.124, 138.691)

Have a look what the booklet for
CIELCh(68, 3.124, 138.691) contains.

CIELCh(68, 3.150, 138.740)	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, 3.150, 138.740)

Conversions

Conversions Part 1

Format	Color
Hex	A3A7A2
RGB	163, 167, 162
RGB Percent	64%, 65%, 64%
CMY	0.3612, 0.3456, 0.3652
CMYK	0.02, 0.00, 0.03, 0.35
HSL	108°, 3%, 64%
HSV	108°, 3%, 65%
XYZ	35.3878, 37.9720, 39.5914
YIQ	165.2340, -0.7790, -2.4030

Conversions

Conversions Part 2

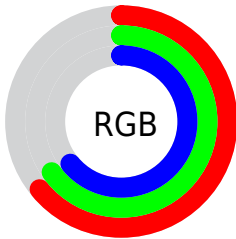
Format	Color
RYB	162, 167, 166
Decimal	10725282
CIELab	68.00, -2.37, 2.08
CIELCh	68, 3.150, 138.740
Yxy	37.9720, 0.3133, 0.3362
Android (android.graphics.Color)	4288915362 (0xFFA3A7A2)
YUV	165.2340, -1.5944, -1.9592
Hunter-Lab	61.6215, -5.3291, 5.0416

Details

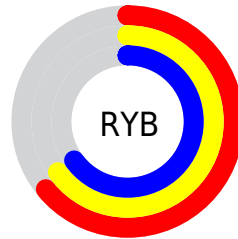
The CIELCh color **68, 3.150, 138.740** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 3.171, 318.888**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 2.984, 138.788**, and **48, 3.376, 138.669** is the 20% darker color. If you saturate the color by 10%, you get **67, 13.768, 138.225**, and if you desaturate by 10%, it is **70, 7.335, 319.074**.

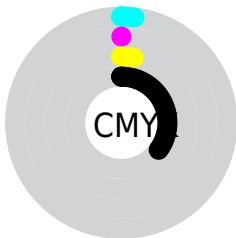
Distribution



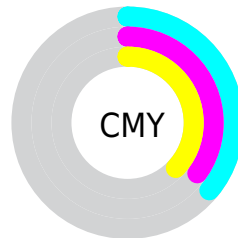
- Red (64%)
- Green (65%)
- Blue (64%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (35%)



- Cyan (36%)
- Magenta (35%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 3.150, 138.740 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, 3.150, 138.740 by changing the saturation by 10% instead.

■ 68, 3.150, 138.740

■ 68, 3.150, 138.740

■ 100, 3.150,
138.740

■ 58, 3.150, 138.740

■ 88, 3.150, 138.740

■ 48, 3.150, 138.740

■ 98, 3.150, 138.740

■ 38, 3.150, 138.740

■ 28, 3.150, 138.740

■ 18, 3.150, 138.740

■ 8, 3.150, 138.740

■ 0, 3.150, 138.740

■ 68, 3.150, 138.740

■ 68, 3.150, 138.740

■ 67, 13.768,

■ 70, 7.335, 319.074

138.225

71, 17.634,
319.445

65, 24.427,
137.680

73, 27.706,
319.754

64, 35.012,
137.077

75, 37.527,
320.017

63, 45.360,
136.426

77, 47.085,
320.240

62, 55.251,
135.755

78, 53.242,
322.297

61, 64.392,
135.119

80, 54.996,
326.319

61, 72.403,
134.609

60, 78.843,
134.343

60, 83.321,
134.434

Harmonies

Complementary

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



68, 3.150, 138.740



67, 3.171, 318.888

Rectangle

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



68, 3.150, 138.740



68, 3.150, 188.740



68, 3.150, 318.740



68, 3.150, 8.740

Sweetspot

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



68, 3.152, 138.744



86, 1.293, 138.944



68, 2.220, 100.012



46, 0.741, 138.957



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, 3.152, 138.744



86, 5.211, 138.681



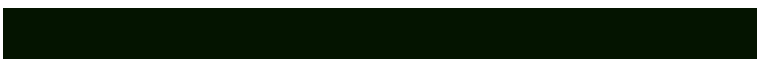
68, 2.713, 154.197



35, 3.002, 138.650



53, 78.176, 134.485



5, 11.061, 139.643

Inverse Universe

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



67, 3.171, 318.888



84, 5.239, 318.950



67, 2.729, 334.377



34, 3.017, 318.980



29, 78.419, 320.831



1, 10.780, 316.951

Previews

White Background



This preview shows how the CIELCh color 68, 3.150, 138.740 looks on a white background.

Color Contrast Check

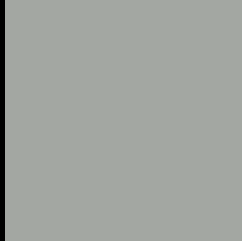
Large Text (above 18pt) WCAG AA × Fail

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, 3.150, 138.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

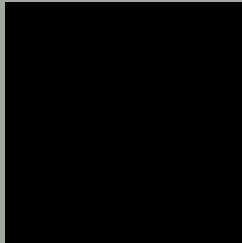
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

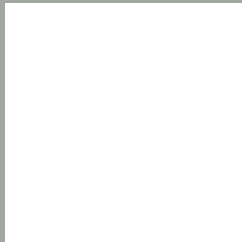
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 3.150, 138.740

Background



This preview shows how black text looks on a background with the CIELCh color 68, 3.150, 138.740.



This preview shows how white text looks on a background with the CIELCh color 68, 3.150, 138.740.

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, 3.150, 138.740

Protanopia

68, 2.902, 68.462

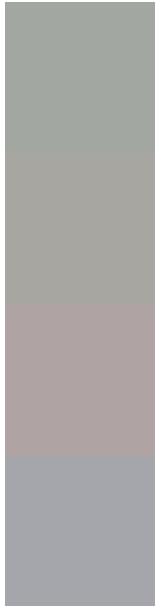
Deuteranopia

68, 8.676, 9.245



Tritanopia
68, 7.166, 290.915

Trichromacy



Original Color

68, 3.150, 138.740

Protanomaly

68, 2.762, 101.906

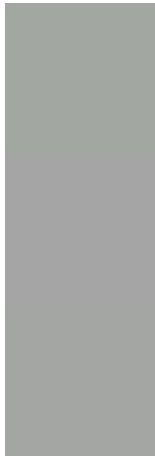
Deuteranomaly

68, 4.615, 19.716

Tritanomaly

68, 3.379, 277.827

Monochromacy



Original Color

68, 3.150, 138.740

Achromatopsia

68, 0.008, 296.813

Achromatomaly

68, 1.337, 144.545

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 3.150, 138.740 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, 167, 162)` looks like.

```
.text, #text, p{  
    color:rgb(163, 167, 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(163, 167, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 167, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 3.150, 138.740 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, 167, 162) }
```

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

```
.border{ border-color:rgb(163, 167, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 167, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 167, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 167, 162); box-shadow:4px 4px 4px 4px rgb(163, 167, 162) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 3.150, 138.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 167, 162) }
```

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

```
.background{ background-color: rgb(163,  
167, 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](#).

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