

Converting Colors

CIELCh(68, 7.166, 266.952)

Have a look what the booklet for
CIELCh(68, 7.166, 266.952) contains.

CIELCh(68, 7.165, 266.957)	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, 7.165, 266.957)

Conversions

Conversions Part 1

Format	Color
Hex	9EA6B2
RGB	158, 166, 178
RGB Percent	62%, 65%, 70%
CMY	0.3787, 0.3473, 0.3003
CMYK	0.11, 0.07, 0.00, 0.30
HSL	216°, 12%, 66%
HSV	216°, 11%, 70%
XYZ	35.9777, 37.9720, 47.7805
YIQ	164.9760, -8.6200, 2.0360

Conversions

Conversions Part 2

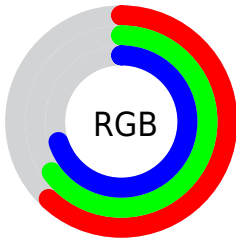
Format	Color
RYB	158, 164, 178
Decimal	10397362
CIELab	68.00, -0.38, -7.15
CIElCh	68, 7.165, 266.957
Yxy	37.9720, 0.2956, 0.3119
Android (android.graphics.Color)	4288587442 (0xFF9EA6B2)
YUV	164.9760, 6.4208, -6.1180
Hunter-Lab	61.6215, -3.6204, -2.8377

Details

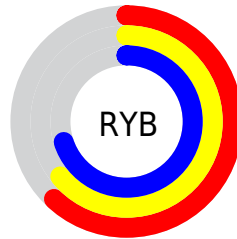
The CIELCh color $68, 7.165, 266.957$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 7.238, 83.971$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 7.286, 268.365$, and $48, 6.966, 268.355$ is the 20% darker color. If you saturate the color by 10%, you get $64, 13.592, 268.505$, and if you desaturate by 10%, it is $72, 0.779, 265.901$.

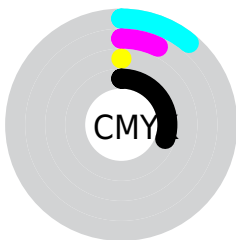
Distribution



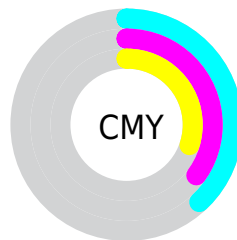
- Red (62%)
- Green (65%)
- Blue (70%)



- Red (62%)
- Yellow (64%)
- Blue (70%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (30%)



- Cyan (38%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 7.165, 266.957 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, 7.165, 266.957 by changing the saturation by 10% instead.

■ 68, 7.165, 266.957

■ 68, 7.165, 266.957

■ 100, 7.165,
266.957

■ 58, 7.165, 266.957

■ 88, 7.165, 266.957

■ 48, 7.165, 266.957

■ 98, 7.165, 266.957

■ 38, 7.165, 266.957

■ 28, 7.165, 266.957

■ 18, 7.165, 266.957

■ 8, 7.165, 266.957

■ 0, 7.165, 266.957

■ 68, 7.165, 266.957

■ 68, 7.165, 266.957

■ 64, 13.592,

■ 72, 0.779, 265.901

268.505

76, 5.556, 84.348

60, 20.055,
270.346

81, 11.832, 83.366

55, 26.554,
272.510

85, 18.041, 82.495

51, 33.097,
275.041

89, 24.178, 81.727

47, 39.707,
277.973

95, 32.433, 98.210

43, 46.422,
281.311

98, 37.061,
105.571

40, 53.288,
285.005

98, 38.415,
107.248

36, 60.333,
288.930

34, 66.660,
292.305

Harmonies

Complementary

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



68, 7.165, 266.957



70, 7.238, 83.971

Rectangle

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



68, 7.165, 266.957



68, 7.165, 316.957



68, 7.165, 86.957



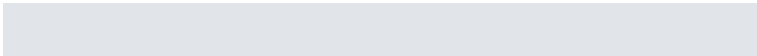
68, 7.165, 136.957

Sweetspot

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



68, 7.164, 266.946



90, 2.373, 265.928



71, 8.764, 167.458



48, 1.812, 266.004



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 7.164, 266.946



85, 10.289, 267.238



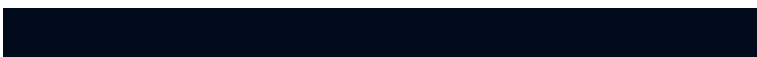
66, 11.130, 294.452



36, 3.618, 266.682



29, 58.751, 291.794



3, 9.589, 273.028

Inverse Universe

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



67, 8.857, 350.380



84, 12.752, 350.583



72, 10.851, 112.530



35, 4.462, 350.190



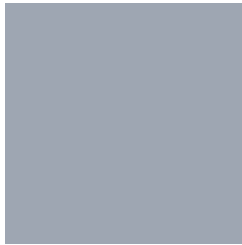
32, 57.839, 10.820



2, 10.088, 355.338

Previews

White Background



This preview shows how the CIELCh color 68, 7.165, 266.957 looks on a white background.

Color Contrast Check

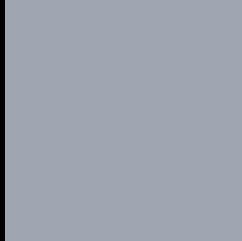
Large Text (above 18pt) WCAG AA × Fail

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, 7.165, 266.957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

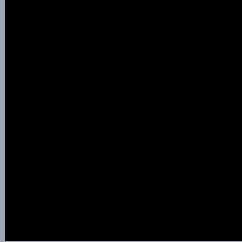
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

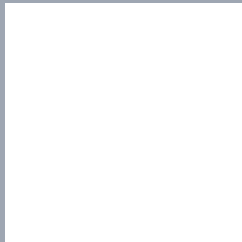
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 7.165, 266.957

Background



This preview shows how black text looks on a background with the CIELCh color 68, 7.165, 266.957.

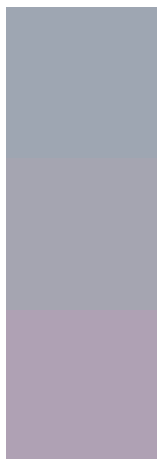


This preview shows how white text looks on a background with the CIELCh color 68, 7.165, 266.957.

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

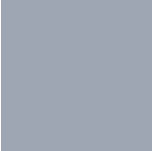
68, 7.165, 266.957

Protanopia

68, 6.615, 290.860

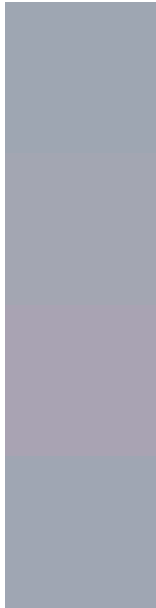
Deuteranopia

68, 11.744, 317.316



Tritanopia
68, 7.548, 271.271

Trichromacy



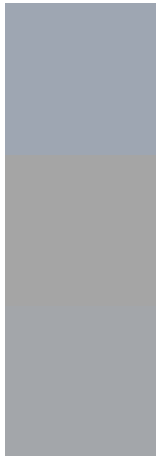
Original Color
68, 7.165, 266.957

Protanomaly
68, 6.680, 281.410

Deuteranomaly
68, 9.132, 305.042

Tritanomaly
68, 7.548, 271.271

Monochromacy



Original Color
68, 7.165, 266.957

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 2.459, 263.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 7.165, 266.957 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(158, 166, 178)` looks like.

```
.text, #text, p{  
    color:rgb(158, 166, 178)  
}
```

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(158, 166, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 166, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 7.165, 266.957 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(158, 166, 178) }
```

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

```
.border{ border-color:rgb(158, 166, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 166, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 166, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 166, 178);  
box-shadow:4px 4px 4px 4px rgb(158, 166,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 7.165, 266.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 166, 178) }
```

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

```
.background{ background-color: rgb(158,  
166, 178) }
```

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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