

Converting Colors

CIELCh(67, 9.001, 254.414)

Have a look what the booklet for
CIELCh(67, 9.001, 254.414) contains.

CIELCh(67, 8.857, 253.552)	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(67, 8.857, 253.552)

Conversions

Conversions Part 1

Format	Color
Hex	96A5B2
RGB	150, 165, 178
RGB Percent	59%, 65%, 70%
CMY	0.4116, 0.3527, 0.3018
CMYK	0.16, 0.07, 0.00, 0.30
HSL	208°, 15%, 64%
HSV	208°, 16%, 70%
XYZ	34.0905, 36.6320, 47.4188
YIQ	161.9970, -13.1130, 0.8630

Conversions

Conversions Part 2

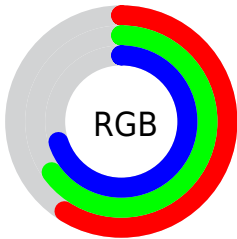
Format	Color
RYB	150, 160, 178
Decimal	9872818
CIELab	67.00, -2.51, -8.49
CIElCh	67, 8.857, 253.552
Yxy	36.6320, 0.2886, 0.3101
Android (android.graphics.Color)	4288062898 (0xFF96A5B2)
YUV	161.9970, 7.8895, -10.5214
Hunter-Lab	60.5244, -5.3770, -4.0847

Details

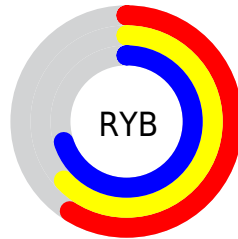
The CIELCh color $67, 8.857, 253.552$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 9.299, 69.591$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 9.052, 253.443$, and $47, 8.719, 253.914$ is the 20% darker color. If you saturate the color by 10%, you get $63, 14.352, 255.165$, and if you desaturate by 10%, it is $71, 3.253, 252.240$.

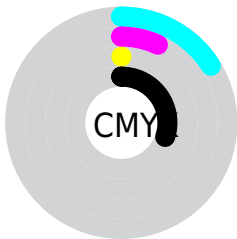
Distribution



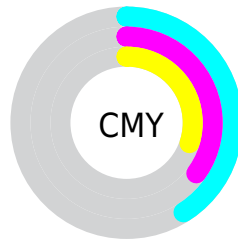
- Red (59%)
- Green (65%)
- Blue (70%)



- Red (59%)
- Yellow (63%)
- Blue (70%)



- Cyan (16%)
- Magenta (7%)
- Yellow (0%)
- Black (30%)



- Cyan (41%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 8.857, 253.552 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 67, 8.857, 253.552 by changing the saturation by 10% instead.

■ 67, 8.857, 253.552

■ 67, 8.857, 253.552

■ 100, 8.857,
253.552

■ 57, 8.857, 253.552

■ 87, 8.857, 253.552

■ 47, 8.857, 253.552

■ 97, 8.857, 253.552

■ 37, 8.857, 253.552

■ 27, 8.857, 253.552

■ 17, 8.857, 253.552

■ 7, 8.857, 253.552

■ 0, 8.857, 253.552

■ 67, 8.857, 253.552

■ 67, 8.857, 253.552

■ 63, 14.352,

■ 71, 3.253, 252.240

255.165

74, 2.430, 70.821

60, 19.712,
257.119

78, 8.165, 69.944

57, 24.912,
259.461

81, 13.931, 69.123

53, 29.941,
262.254

85, 19.706, 68.408

50, 34.811,
265.548

90, 26.503, 79.845

47, 39.564,
269.363

92, 28.864, 89.092

44, 44.278,
273.655

95, 31.856, 96.696

41, 49.059,
278.283

40, 51.173,
280.188

Harmonies

Complementary

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



67, 8.857, 253.552



68, 9.299, 69.591

Rectangle

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



67, 8.857, 253.552



67, 8.857, 303.552



67, 8.857, 73.552



67, 8.857, 123.552

Sweetspot

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



67, 8.856, 253.543



90, 3.525, 252.174



70, 13.512, 159.790



48, 2.422, 252.246



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 8.856, 253.543



84, 13.228, 254.092



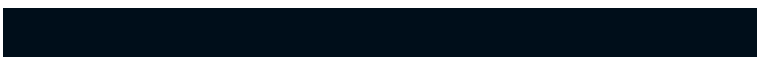
63, 14.879, 289.852



36, 3.213, 252.664



35, 45.252, 279.571



3, 8.531, 263.023

Inverse Universe

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



65, 13.592, 343.036



81, 20.430, 343.365



72, 14.413, 106.540



35, 4.873, 342.470



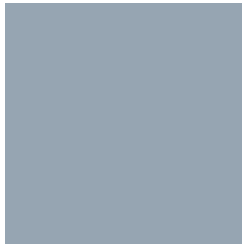
33, 58.434, 358.024



2, 10.833, 347.862

Previews

White Background



This preview shows how the CIELCh color 67, 8.857, 253.552 looks on a white background.

Color Contrast Check

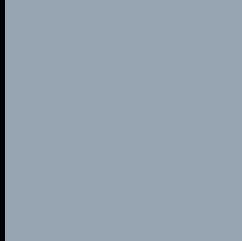
Large Text (above 18pt) WCAG AA × Fail

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 67, 8.857, 253.552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

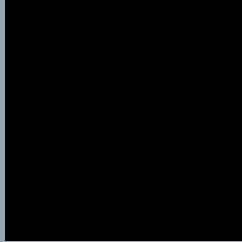
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

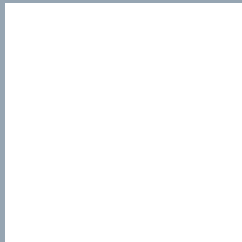
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 8.857, 253.552

Background



This preview shows how black text looks on a background with the CIELCh color 67, 8.857, 253.552.

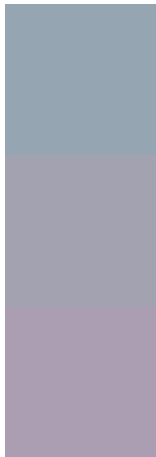


This preview shows how white text looks on a background with the CIELCh color 67, 8.857, 253.552.

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

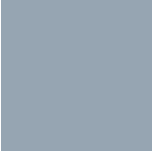
67, 8.857, 253.552

Protanopia

67, 7.742, 290.983

Deuteranopia

67, 12.633, 313.590



Tritanopia
67, 8.857, 253.552

Trichromacy



Original Color
67, 8.857, 253.552

Protanomaly
67, 7.912, 277.699

Deuteranomaly
67, 9.999, 295.384

Tritanomaly
67, 8.857, 253.552

Monochromacy



Original Color
67, 8.857, 253.552

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 3.307, 256.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 8.857, 253.552 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(150, 165, 178)` looks like.

```
.text, #text, p{  
    color:rgb(150, 165, 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(150, 165, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 165, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 8.857, 253.552 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(150, 165, 178) }
```

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

```
.border{ border-color:rgb(150, 165, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 165, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 165, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 165, 178);  
box-shadow:4px 4px 4px 4px rgb(150, 165,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 8.857, 253.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 165, 178) }
```

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

```
.background{ background-color: rgb(150,  
165, 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](#).

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