

Converting Colors

CIELCh(67, 5.787, 163.111)

Have a look what the booklet for
CIELCh(67, 5.787, 163.111) contains.

CIELCh(67, 5.649, 163.126)	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, 5.649, 163.126)

Conversions

Conversions Part 1

Format	Color
Hex	9AA6A0
RGB	154, 166, 160
RGB Percent	60%, 65%, 63%
CMY	0.3965, 0.3494, 0.3729
CMYK	0.07, 0.00, 0.04, 0.35
HSL	150°, 6%, 63%
HSV	150°, 7%, 65%
XYZ	33.2630, 36.6320, 38.5306
YIQ	161.7280, -5.2260, -4.4100

Conversions

Conversions Part 2

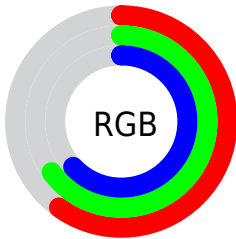
Format	Color
RYB	154, 162, 166
Decimal	10135200
CIELab	67.00, -5.41, 1.64
CIELCh	67, 5.649, 163.126
Yxy	36.6320, 0.3068, 0.3379
Android (android.graphics.Color)	4288325280 (0xFF9AA6A0)
YUV	161.7280, -0.8519, -6.7775
Hunter-Lab	60.5244, -7.8174, 4.6223

Details

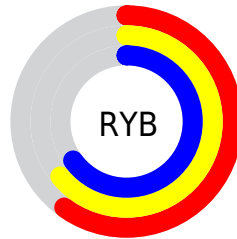
The CIELCh color $67, 5.649, 163.126$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $65, 5.710, 344.171$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 5.645, 165.357$, and $47, 5.369, 165.436$ is the 20% darker color. If you saturate the color by 10%, you get $66, 13.464, 162.201$, and if you desaturate by 10%, it is $69, 2.162, 343.694$.

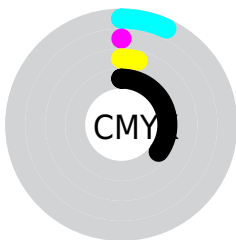
Distribution



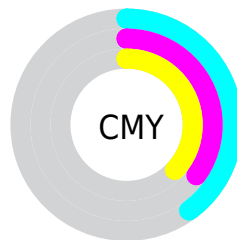
- Red (60%)
- Green (65%)
- Blue (63%)



- Red (60%)
- Yellow (64%)
- Blue (65%)



- Cyan (7%)
- Magenta (0%)
- Yellow (4%)
- Black (35%)



- Cyan (40%)
- Magenta (35%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 5.649, 163.126 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, 5.649, 163.126 by changing the saturation by 10% instead.

■ 67, 5.649, 163.126

■ 67, 5.649, 163.126

■ 100, 5.649,
163.126

■ 57, 5.649, 163.126

■ 87, 5.649, 163.126

■ 47, 5.649, 163.126

■ 97, 5.649, 163.126

■ 37, 5.649, 163.126

■ 27, 5.649, 163.126

■ 17, 5.649, 163.126

■ 7, 5.649, 163.126

■ 0, 5.649, 163.126

■ 67, 5.649, 163.126

■ 67, 5.649, 163.126

■ 66, 13.464,

■ 69, 2.162, 343.694

162.201

70, 9.903, 344.553

64, 21.186,
161.209

72, 17.516,
345.240

63, 28.706,
160.105

74, 24.965,
345.869

62, 35.900,
158.861

76, 32.224,
346.453

62, 42.639,
157.455

78, 39.279,
346.998

61, 48.802,
155.864

78, 42.032,
342.409

60, 54.298,
154.071

78, 44.669,
337.886

60, 59.079,
152.072

79, 47.579,
333.945

60, 63.197,
149.913

Harmonies

Complementary

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



67, 5.649, 163.126



65, 5.710, 344.171

Rectangle

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



67, 5.649, 163.126



67, 5.649, 213.126



67, 5.649, 343.126



67, 5.649, 33.126

Sweetspot

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



67, 5.651, 163.120



86, 1.935, 163.706



67, 6.986, 128.182



46, 1.108, 163.728



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



67, 5.651, 163.120



85, 8.742, 162.943



67, 4.470, 197.703



35, 4.474, 162.931



54, 58.802, 149.577



5, 8.590, 160.080

Inverse Universe

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



65, 5.710, 344.171



81, 8.850, 344.348



65, 4.667, 18.385



33, 4.530, 344.360



31, 56.546, 1.171



2, 7.800, 347.576

Previews

White Background



This preview shows how the CIELCh color 67, 5.649, 163.126 looks on a white background.

Color Contrast Check

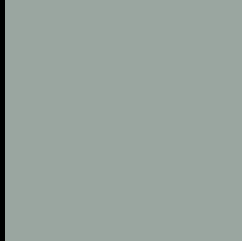
Large Text (above 18pt) WCAG AA × Fail

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, 5.649, 163.126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

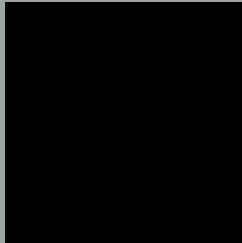
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

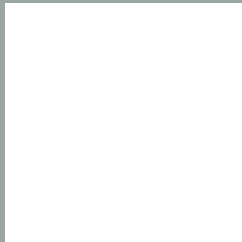
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 5.649, 163.126

Background



This preview shows how black text looks on a background with the CIELCh color 67, 5.649, 163.126.



This preview shows how white text looks on a background with the CIELCh color 67, 5.649, 163.126.

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

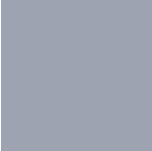
67, 5.649, 163.126

Protanopia

67, 2.912, 68.455

Deuteranopia

67, 8.422, 5.023



Tritanopia
67, 7.467, 273.921

Trichromacy



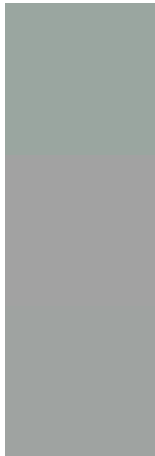
Original Color
67, 5.649, 163.126

Protanomaly
67, 2.236, 119.774

Deuteranomaly
67, 3.459, 19.582

Tritanomaly
67, 4.398, 248.344

Monochromacy



Original Color
67, 5.649, 163.126

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 1.884, 163.640

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 5.649, 163.126 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(154, 166, 160)` looks like.

```
.text, #text, p{  
    color:rgb(154, 166, 160)  
}
```

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(154, 166, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 166, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 5.649, 163.126 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(154, 166, 160) }
```

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

```
.border{ border-color:rgb(154, 166, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 166, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 166, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 166, 160);  
box-shadow:4px 4px 4px 4px rgb(154, 166,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 5.649, 163.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 166, 160) }
```

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

```
.background{ background-color: rgb(154,  
166, 160) }
```

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