

Converting Colors

CIELCh(67, 13.649, 223.712)

Have a look what the booklet for
CIELCh(67, 13.649, 223.712)
contains.

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Color

CIELCh(67, 13.661, 225.068)

Conversions

Conversions Part 1

Format	Color
Hex	85A9B4
RGB	133, 169, 180
RGB Percent	52%, 66%, 71%
CMY	0.4786, 0.3374, 0.2943
CMYK	0.26, 0.06, 0.00, 0.29
HSL	194°, 24%, 61%
HSV	194°, 26%, 71%
XYZ	32.0759, 36.6320, 48.5316
YIQ	159.4900, -24.9870, -4.2110

Conversions

Conversions Part 2

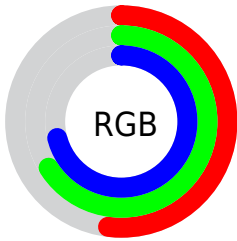
Format	Color
RYB	133, 153, 180
Decimal	8759732
CIELab	67.00, -9.65, -9.67
CIELCh	67, 13.661, 225.068
Yxy	36.6320, 0.2736, 0.3125
Android (android.graphics.Color)	4286949812 (0xFF85A9B4)
YUV	159.4900, 10.1114, -23.2317
Hunter-Lab	60.5244, -11.3185, -5.1748

Details

The CIELCh color `67, 13.661, 225.068` is a light color, and the websafe version is hex `669999`. A complement of this color would be `63, 16.186, 42.743`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `87, 13.705, 226.102`, and `47, 13.589, 224.221` is the 20% darker color. If you saturate the color by 10%, you get `65, 18.237, 226.038`, and if you desaturate by 10%, it is `69, 8.682, 224.344`.

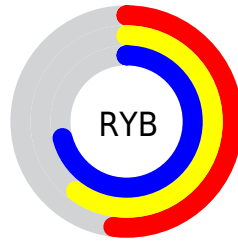
Distribution



Red (52%)

Green (66%)

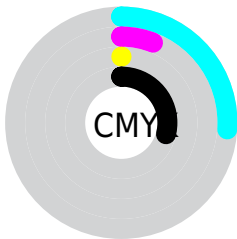
Blue (71%)



Red (52%)

Yellow (60%)

Blue (71%)

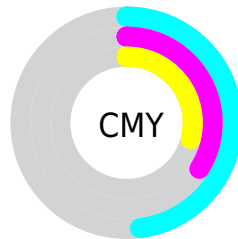


Cyan (26%)

Magenta (6%)

Yellow (0%)

Black (29%)



Cyan (48%)


Magenta (34%)


Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 13.661, 225.068 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, 13.661, 225.068 by changing the saturation by 10% instead.

 67, 13.661,
225.068


 67, 13.661,
225.068


 100, 13.661,
225.068


 57, 13.661,
225.068


 87, 13.661,
225.068

 47, 13.661,
225.068

 97, 13.661,
225.068

 37, 13.661,
225.068

 27, 13.661,
225.068

 17, 13.661,
225.068

 7, 13.661, 225.068

 0, 13.661, 225.068

67, 13.661,
225.068

67, 13.661,
225.068

65, 18.237,
226.038

69, 8.682, 224.344

63, 22.335,
227.327

72, 3.378, 223.887

74, 2.184, 43.122

61, 25.882,
229.001

77, 7.943, 43.009

59, 28.826,
231.147

79, 13.847, 42.851

82, 19.856, 42.748

57, 31.152,
233.852

85, 24.466, 43.983

55, 32.895,
237.193

86, 23.985, 50.038

87, 23.788, 56.264

54, 34.167,
241.190

53, 34.635,

242.798

Harmonies

Complementary

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



67, 13.661, 225.068



63, 16.186, 42.743

Rectangle

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



67, 13.661, 225.068



67, 13.661, 275.068



67, 13.661, 45.068



67, 13.661, 95.068

Sweetspot

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



67, 13.661, 225.062



90, 5.455, 223.949



69, 26.651, 149.786



48, 3.860, 224.007



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, 13.661, 225.062



84, 19.751, 225.556



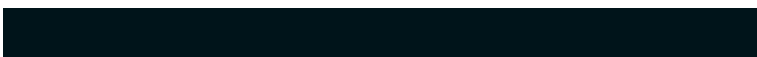
60, 19.774, 279.799



37, 3.084, 223.994



46, 30.648, 242.174



5, 7.479, 234.552

Inverse Universe

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



61, 26.794, 333.449



75, 39.414, 333.833



69, 19.509, 92.924



35, 5.735, 332.304



34, 66.091, 340.080



2, 12.919, 335.304

Previews

White Background



This preview shows how the CIELCh color 67, 13.661, 225.068 looks on a white background.

Color Contrast Check

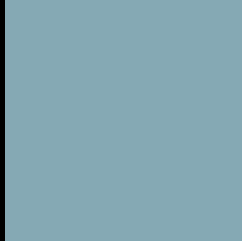
Large Text (above 18pt) WCAG AA × Fail

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, 13.661, 225.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

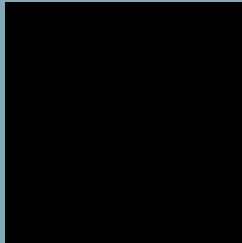
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 13.661, 225.068

Background



This preview shows how black text looks on a background with the CIELCh color 67, 13.661, 225.068.

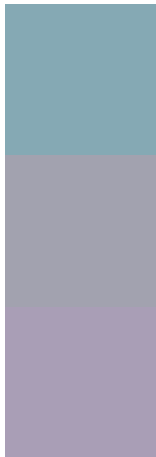


This preview shows how white text looks on a background with the CIELCh color 67, 13.661, 225.068.

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, 13.661, 225.068

Protanopia

67, 7.190, 290.927

Deuteranopia

67, 13.944, 308.215



Tritanopia
67, 14.088, 229.362

Trichromacy



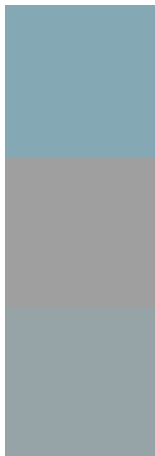
Original Color
67, 13.661, 225.068

Protanomaly
67, 8.224, 253.081

Deuteranomaly
67, 10.681, 279.647

Tritanomaly
67, 13.865, 227.247

Monochromacy



Original Color
67, 13.661, 225.068

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 5.238, 224.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 13.661, 225.068 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(133, 169, 180)` looks like.

```
.text, #text, p{  
    color:rgb(133, 169, 180)  
}
```

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(133, 169, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 169, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 13.661, 225.068 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(133, 169, 180) }
```

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

```
.border{ border-color:rgb(133, 169, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 169, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 169, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 169, 180);  
box-shadow:4px 4px 4px 4px rgb(133, 169,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 13.661, 225.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 169, 180) }
```

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

```
.background{ background-color: rgb(133,  
169, 180) }
```

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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