

Converting Colors

CIELCh(67, 13.691, 177.873)

Have a look what the booklet for
CIELCh(67, 13.691, 177.873)
contains.

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Color

CIELCh(67, 13.600, 179.238)

Conversions

Conversions Part 1

Format	Color
Hex	87AAA2
RGB	135, 170, 162
RGB Percent	53%, 67%, 64%
CMY	0.4696, 0.3323, 0.3637
CMYK	0.21, 0.00, 0.05, 0.33
HSL	166°, 17%, 60%
HSV	166°, 21%, 67%
XYZ	30.9962, 36.6320, 39.7349
YIQ	158.6230, -18.2920, -9.9080

Conversions

Conversions Part 2

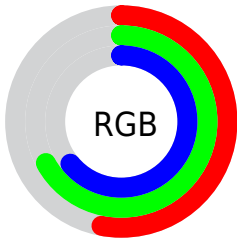
Format	Color
RYB	135, 155, 170
Decimal	8891042
CIELab	67.00, -13.60, 0.18
CIElCh	67, 13.600, 179.238
Yxy	36.6320, 0.2887, 0.3412
Android (android.graphics.Color)	4287081122 (0xFF87AAA2)
YUV	158.6230, 1.6649, -20.7174
Hunter-Lab	60.5244, -14.5027, 3.4425

Details

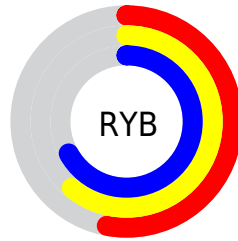
The CIELCh color **67, 13.600, 179.238** is a light color, and the websafe version is hex **669999**. A complement of this color would be **60, 14.657, 3.153**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 13.318, 180.138**, and **47, 13.988, 177.993** is the 20% darker color. If you saturate the color by 10%, you get **66, 19.830, 178.219**, and if you desaturate by 10%, it is **68, 7.084, 180.208**.

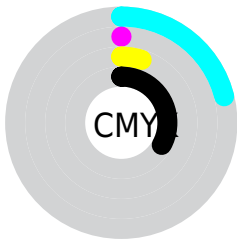
Distribution



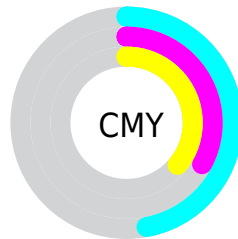
- Red (53%)
- Green (67%)
- Blue (64%)



- Red (53%)
- Yellow (61%)
- Blue (67%)



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)
- Black (33%)



- Cyan (47%)
- Magenta (33%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 13.600, 179.238 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, 13.600, 179.238 by changing the saturation by 10% instead.

 67, 13.600,
179.238


 67, 13.600,
179.238


 100, 13.600,
179.238


 57, 13.600,
179.238


 87, 13.600,
179.238

 47, 13.600,
179.238

 97, 13.600,
179.238

 37, 13.600,
179.238

 27, 13.600,
179.238

 17, 13.600,
179.238

 7, 13.600, 179.238

 0, 13.600, 179.238

67, 13.600,
179.238

67, 13.600,
179.238

66, 19.830,
178.219

68, 7.084, 180.208

65, 25.662,
177.134

70, 0.378, 182.218

71, 6.434, 1.823

64, 30.988,
175.960

73, 13.282, 2.675

63, 35.706,
174.674

74, 20.110, 3.471

76, 26.878, 4.232

63, 39.735,
173.254

78, 33.555, 4.965

63, 43.034,
171.678

78, 34.186, 1.730

62, 45.614,
169.927

79, 34.731,
358.456

62, 47.567,

Harmonies

Complementary

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



67, 13.600, 179.238



60, 14.657, 3.153

Rectangle

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



67, 13.600, 179.238



67, 13.600, 229.238



67, 13.600, 359.238



67, 13.600, 49.238

Sweetspot

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



67, 13.601, 179.234



87, 5.013, 180.658



67, 21.965, 136.838



47, 3.350, 180.591



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



67, 13.601, 179.234



84, 20.332, 178.745



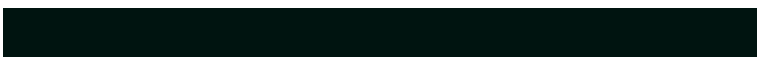
65, 10.380, 228.919



35, 3.765, 180.334



54, 42.750, 168.417



5, 7.185, 176.322

Inverse Universe

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



60, 14.657, 3.153



74, 22.334, 3.767



62, 11.748, 46.470



33, 3.892, 1.887



30, 60.294, 26.139



1, 6.860, 3.492

Previews

White Background



This preview shows how the CIELCh color 67, 13.600, 179.238 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 CIELCh color 67, 13.600, 179.238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

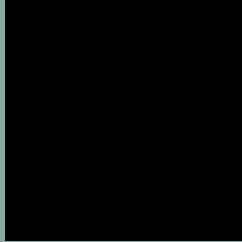
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

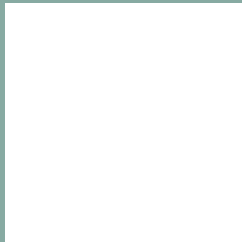
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 13.600, 179.238

Background



This preview shows how black text looks on a background with the CIELCh color 67, 13.600, 179.238.



This preview shows how white text looks on a background with the CIELCh color 67, 13.600, 179.238.

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, 13.600, 179.238

Protanopia
67, 2.912, 68.455

Deuteranopia
67, 8.263, 352.337



Tritanopia
67, 12.256, 238.124

Trichromacy



Original Color
67, 13.600, 179.238

Protanomaly
67, 4.711, 163.236

Deuteranomaly
67, 1.113, 290.343

Tritanomaly
67, 11.056, 216.132

Monochromacy



Original Color
67, 13.600, 179.238

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 5.182, 180.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 13.600, 179.238 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(135, 170, 162)` looks like.

```
.text, #text, p{  
    color:rgb(135, 170, 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(135, 170, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 170, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 13.600, 179.238 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(135, 170, 162) }
```

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

```
.border{ border-color:rgb(135, 170, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 170, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 170, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 170, 162);  
box-shadow:4px 4px 4px 4px rgb(135, 170,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 13.600, 179.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 170, 162) }
```

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

```
.background{ background-color: rgb(135,  
170, 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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