

Converting Colors

CIELCh(67, 12.877, 177.767)

Have a look what the booklet for
CIELCh(67, 12.877, 177.767)
contains.

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Color

CIELCh(67, 12.949, 178.315)

Conversions

Conversions Part 1

Format	Color
Hex	89AAA2
RGB	137, 170, 162
RGB Percent	54%, 67%, 64%
CMY	0.4631, 0.3337, 0.3651
CMYK	0.19, 0.00, 0.05, 0.33
HSL	165°, 16%, 60%
HSV	165°, 19%, 67%
XYZ	31.1737, 36.6320, 39.5685
YIQ	159.2210, -17.1000, -9.4840

Conversions

Conversions Part 2

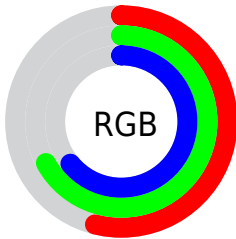
Format	Color
RYB	137, 156, 170
Decimal	9022114
CIELab	67.00, -12.94, 0.38
CIElCh	67, 12.949, 178.315
Yxy	36.6320, 0.2903, 0.3412
Android (android.graphics.Color)	4287212194 (0xFF89AAA2)
YUV	159.2210, 1.3700, -19.4878
Hunter-Lab	60.5244, -13.9795, 3.6056

Details

The CIELCh color **67, 12.949, 178.315** is a light color, and the websafe version is hex **669999**. A complement of this color would be **60, 13.852, 1.999**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 12.683, 179.241**, and **47, 13.329, 177.059** is the 20% darker color. If you saturate the color by 10%, you get **66, 19.274, 177.290**, and if you desaturate by 10%, it is **68, 6.361, 179.293**.

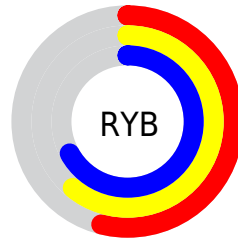
Distribution



Red (54%)

Green (67%)

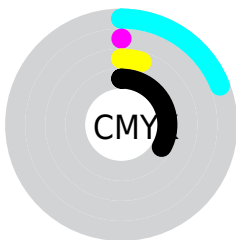
Blue (64%)



Red (54%)

Yellow (61%)

Blue (67%)

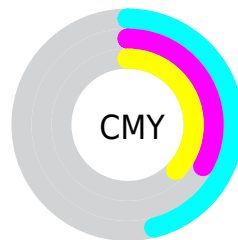


Cyan (19%)

Magenta (0%)

Yellow (5%)

Black (33%)



Cyan (46%)


Magenta (33%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 12.949, 178.315 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, 12.949, 178.315 by changing the saturation by 10% instead.


 67, 12.949,
178.315


 67, 12.949,
178.315


 100, 12.949,
178.315


 57, 12.949,
178.315


 87, 12.949,
178.315

 47, 12.949,
178.315

 97, 12.949,
178.315

 37, 12.949,
178.315

 27, 12.949,
178.315

 17, 12.949,
178.315

 7, 12.949, 178.315

 0, 12.949, 178.315

67, 12.949,
178.315

67, 12.949,
178.315

66, 19.274,
177.290

68, 6.361, 179.293

65, 25.224,
176.198

70, 0.398, 359.013

71, 7.244, 0.908

64, 30.689,
175.013

73, 14.110, 1.751

63, 35.566,
173.715

75, 20.944, 2.541

76, 27.706, 3.297

63, 39.770,
172.279

78, 34.058, 3.808

62, 43.251,
170.682

78, 34.556, 0.291

62, 46.013,
168.908

79, 35.191,
356.897

62, 48.213,

167.003

■ 62, 48.338,
166.896

Harmonies

Complementary

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



67, 12.949, 178.315



60, 13.852, 1.999

Rectangle

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



67, 12.949, 178.315



67, 12.949, 228.315



67, 12.949, 358.315



67, 12.949, 48.315

Sweetspot

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



67, 12.950, 178.311



87, 5.047, 179.631



67, 20.602, 136.402



47, 3.373, 179.565



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, 12.950, 178.311



85, 18.931, 177.910



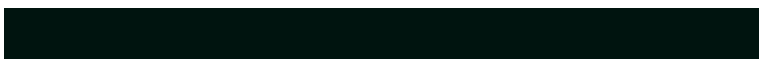
65, 9.851, 226.632



35, 3.792, 179.307



54, 43.500, 167.144



5, 7.248, 175.223

Inverse Universe

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



60, 13.852, 1.999



75, 20.551, 2.487



62, 11.097, 44.634



33, 3.914, 0.870



30, 59.813, 25.004



1, 6.894, 2.587

Previews

White Background



This preview shows how the CIELCh color 67, 12.949, 178.315 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, 12.949, 178.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

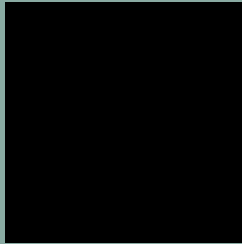
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

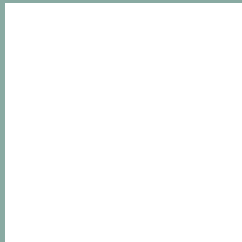
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 12.949, 178.315

Background



This preview shows how black text looks on a background with the CIELCh color 67, 12.949, 178.315.



This preview shows how white text looks on a background with the CIELCh color 67, 12.949, 178.315.

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, 12.949, 178.315

Protanopia
67, 3.348, 74.611

Deuteranopia
67, 8.031, 355.834



Tritanopia
67, 11.693, 236.885

Trichromacy



Original Color
67, 12.949, 178.315

Protanomaly
67, 4.785, 155.351

Deuteranomaly
67, 0.561, 290.334

Tritanomaly
67, 10.623, 213.756

Monochromacy



Original Color
67, 12.949, 178.315

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 4.833, 178.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 12.949, 178.315 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(137, 170, 162)` looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 170, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 170, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 12.949, 178.315 is called "border". The border property can be set on classes, ids or directly on the HTML element.

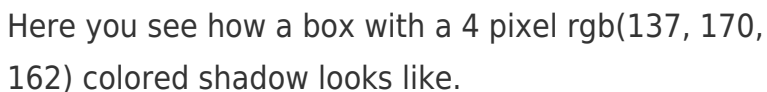
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 170, 162) }
```

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

```
.border{ border-color:rgb(137, 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(137, 170, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 170, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 170, 162); box-shadow:4px 4px 4px 4px rgb(137, 170, 162) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 12.949, 178.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 170, 162) }
```

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

```
.background{ background-color: rgb(137,  
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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