

Converting Colors

CIELCh(67, 11.935, 198.429)

Have a look what the booklet for
CIELCh(67, 11.935, 198.429)
contains.

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Color

CIELCh(67, 11.829, 198.436)

Conversions

Conversions Part 1

Format	Color
Hex	88A9A9
RGB	136, 169, 169
RGB Percent	53%, 66%, 66%
CMY	0.4654, 0.3360, 0.3360
CMYK	0.19, 0.00, 0.00, 0.34
HSL	180°, 16%, 60%
HSV	180°, 19%, 66%
XYZ	31.6429, 36.6320, 43.0964
YIQ	159.1330, -19.6680, -6.9960

Conversions

Conversions Part 2

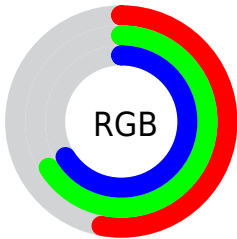
Format	Color
R_{YB}	136, 153, 169
Decimal	8956329
CIE _{Lab}	67.00, -11.22, -3.74
CIE _{LCh}	67, 11.829, 198.436
Yxy	36.6320, 0.2841, 0.3289
Android (android.graphics.Color)	4287146409 (0xFF88A9A9)
YUV	159.1330, 4.8644, -20.2876
Hunter-Lab	60.5244, -12.5956, 0.1495

Details

The CIELCh color **67, 11.829, 198.436** is a light color, and the websafe version is hex **669999**. A complement of this color would be **60, 13.413, 20.749**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 11.704, 198.644**, and **47, 11.983, 198.105** is the 20% darker color. If you saturate the color by 10%, you get **66, 17.292, 197.961**, and if you desaturate by 10%, it is **68, 5.925, 198.971**.

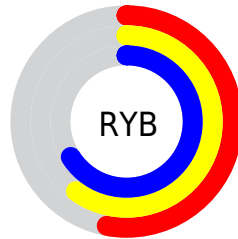
Distribution



Red (53%)

Green (66%)

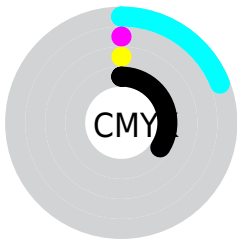
Blue (66%)



Red (53%)

Yellow (60%)

Blue (66%)

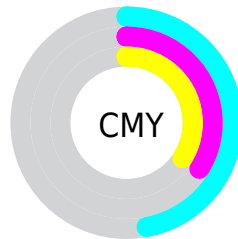


Cyan (19%)

Magenta (0%)

Yellow (0%)

Black (34%)



Cyan (47%)


Magenta (34%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 11.829, 198.436 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, 11.829, 198.436 by changing the saturation by 10% instead.


 67, 11.829,
198.436


 67, 11.829,
198.436


 100, 11.829,
198.436


 57, 11.829,
198.436


 87, 11.829,
198.436

 47, 11.829,
198.436

 97, 11.829,
198.436

 37, 11.829,
198.436

 27, 11.829,
198.436

 17, 11.829,
198.436

 7, 11.829, 198.436

 0, 11.829, 198.436

67, 11.829,
198.436

67, 11.829,
198.436

66, 17.292,
197.961

68, 5.925, 198.971

69, 0.323, 17.918

65, 22.213,
197.551

71, 6.827, 19.923

64, 26.499,
197.200

72, 13.508, 20.548

64, 30.069,
196.913

74, 20.302, 21.165

76, 27.154, 21.785

63, 32.871,
196.690

78, 34.024, 22.406

63, 34.891,
196.531

78, 34.089, 22.411

78, 34.089, 22.410

63, 36.159,
196.431

63, 36.848,

196.376

■ 63, 36.879,
196.374

Harmonies

Complementary

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



67, 11.829, 198.436



60, 13.413, 20.749

Rectangle

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



67, 11.829, 198.436



67, 11.829, 248.436



67, 11.829, 18.436



67, 11.829, 68.436

Sweetspot

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



67, 11.830, 198.430



87, 4.659, 199.194



66, 22.210, 142.810



46, 3.081, 199.150



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, 11.830, 198.430



84, 17.008, 198.239



63, 10.667, 256.305



35, 3.516, 198.984



55, 33.390, 196.374



5, 6.572, 199.412

Inverse Universe

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



60, 13.413, 20.749



74, 19.824, 21.125



64, 11.277, 71.253



33, 3.724, 19.900



30, 69.024, 39.356



1, 6.572, 19.399

Previews

White Background



This preview shows how the CIELCh color 67, 11.829, 198.436 looks on a white background.

Color Contrast Check

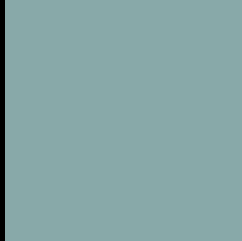
Large Text (above 18pt) WCAG AA × Fail

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, 11.829, 198.436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

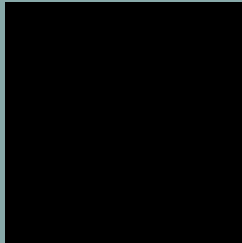
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 11.829, 198.436

Background



This preview shows how black text looks on a background with the CIELCh color 67, 11.829, 198.436.

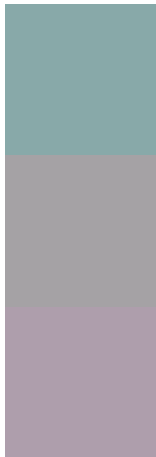


This preview shows how white text looks on a background with the CIELCh color 67, 11.829, 198.436.

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, 11.829, 198.436

Protanopia
67, 2.027, 324.430

Deuteranopia
67, 9.850, 328.548



Tritanopia
67, 12.210, 234.931

Trichromacy



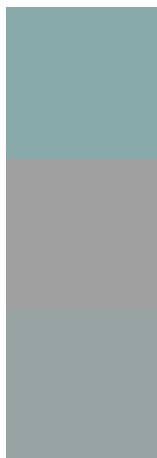
Original Color
67, 11.829, 198.436

Protanomaly
67, 3.857, 215.888

Deuteranomaly
67, 5.023, 282.228

Tritanomaly
67, 11.529, 224.316

Monochromacy



Original Color
67, 11.829, 198.436

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 4.477, 199.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 11.829, 198.436 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(136, 169, 169)` looks like.

```
.text, #text, p{  
    color:rgb(136, 169, 169)  
}
```

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(136, 169, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 169, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 11.829, 198.436 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(136, 169, 169) }
```

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

```
.border{ border-color:rgb(136, 169, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 169, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 169, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 169, 169);  
box-shadow:4px 4px 4px 4px rgb(136, 169,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 11.829, 198.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 169, 169) }
```

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

```
.background{ background-color: rgb(136,  
169, 169) }
```

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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