

Converting Colors

CIELCh(67, 11.450, 198.469)

Have a look what the booklet for
CIELCh(67, 11.450, 198.469)
contains.

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Color

CIELCh(67, 11.491, 198.465)

Conversions

Conversions Part 1

Format	Color
Hex	89A9A9
RGB	137, 169, 169
RGB Percent	54%, 66%, 66%
CMY	0.4622, 0.3367, 0.3367
CMYK	0.19, 0.00, 0.00, 0.34
HSL	180°, 16%, 60%
HSV	180°, 19%, 66%
XYZ	31.7313, 36.6320, 43.0073
YIQ	159.4320, -19.0720, -6.7840

Conversions

Conversions Part 2

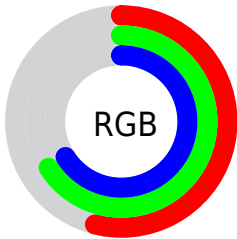
Format	Color
RYB	137, 153, 169
Decimal	9021865
CIELab	67.00, -10.90, -3.64
CIElCh	67, 11.491, 198.465
Yxy	36.6320, 0.2849, 0.3289
Android (android.graphics.Color)	4287211945 (0xFF89A9A9)
YUV	159.4320, 4.7170, -19.6729
Hunter-Lab	60.5244, -12.3348, 0.2369

Details

The CIELCh color **67, 11.491, 198.465** is a light color, and the websafe version is hex **669999**. A complement of this color would be **60, 12.978, 20.697**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 11.375, 198.668**, and **47, 11.643, 198.143** is the 20% darker color. If you saturate the color by 10%, you get **66, 16.978, 197.986**, and if you desaturate by 10%, it is **68, 5.570, 199.006**.

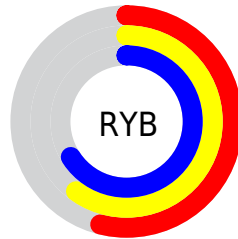
Distribution



Red (54%)

Green (66%)

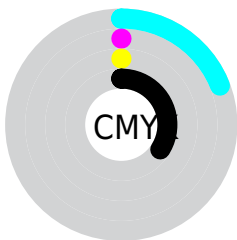
Blue (66%)



Red (54%)

Yellow (60%)

Blue (66%)

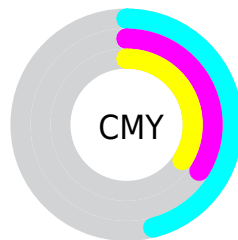


Cyan (19%)

Magenta (0%)

Yellow (0%)

Black (34%)



Cyan (46%)


Magenta (34%)

Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 11.491, 198.465 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, 11.491, 198.465 by changing the saturation by 10% instead.

 67, 11.491,
198.465


 67, 11.491,
198.465


 100, 11.491,
198.465


 57, 11.491,
198.465

 87, 11.491,
198.465

 47, 11.491,
198.465

 97, 11.491,
198.465

 37, 11.491,
198.465

 27, 11.491,
198.465

 17, 11.491,
198.465

 7, 11.491, 198.465

 0, 11.491, 198.465

67, 11.491,
198.465

67, 11.491,
198.465

66, 16.978,
197.986

68, 5.570, 199.006

65, 21.929,
197.573

69, 0.690, 18.753

71, 7.201, 19.960

64, 26.250,
197.219

72, 13.885, 20.583

64, 29.860,
196.928

74, 20.677, 21.200

76, 27.526, 21.820

63, 32.706,
196.701

78, 34.166, 22.421

63, 34.769,
196.538

78, 34.166, 22.420

78, 34.166, 22.419

63, 36.077,
196.435

63, 36.784,

196.379

■ 63, 36.852,
196.373

Harmonies

Complementary

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



67, 11.491, 198.465



60, 12.978, 20.697

Rectangle

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



67, 11.491, 198.465



67, 11.491, 248.465



67, 11.491, 18.465



67, 11.491, 68.465

Sweetspot

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



67, 11.492, 198.459



87, 4.659, 199.194



66, 21.534, 142.852



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, 11.492, 198.459



84, 17.008, 198.239



63, 10.348, 256.213



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, 12.978, 20.697



74, 19.824, 21.125



64, 10.920, 71.321



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, 11.491, 198.465 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, 11.491, 198.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

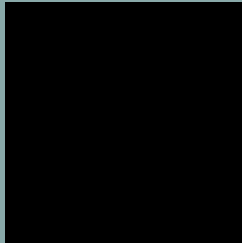
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

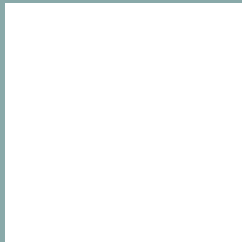
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 11.491, 198.465

Background



This preview shows how black text looks on a background with the CIELCh color 67, 11.491, 198.465.

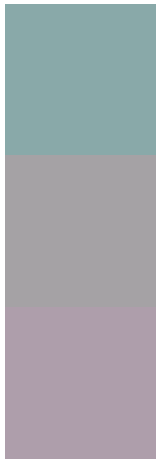


This preview shows how white text looks on a background with the CIELCh color 67, 11.491, 198.465.

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, 11.491, 198.465

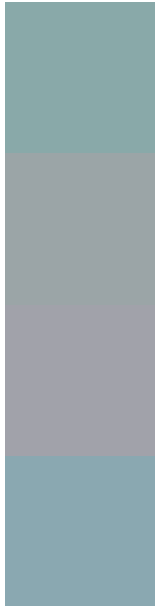
Protanopia
67, 2.027, 324.430

Deuteranopia
67, 9.426, 330.623



Tritanopia
67, 12.256, 238.124

Trichromacy



Original Color
67, 11.491, 198.465

Protanomaly
67, 3.857, 215.888

Deuteranomaly
67, 4.437, 285.844

Tritanomaly
67, 11.529, 224.316

Monochromacy



Original Color
67, 11.491, 198.465

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 4.110, 199.157

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 11.491, 198.465 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, 169, 169)` looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 169, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 169, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 11.491, 198.465 is called "border". The border property can be set on classes, ids or directly on the HTML element.

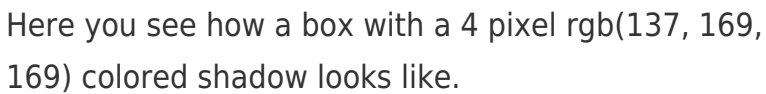
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 169, 169) }
```

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

```
.border{ border-color:rgb(137, 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(137, 169, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 169, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 169, 169); box-shadow:4px 4px 4px 4px rgb(137, 169, 169) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 11.491, 198.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 169, 169) }
```

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

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