

Converting Colors

CIELCh(67, 9.684, 199.310)

Have a look what the booklet for
CIELCh(67, 9.684, 199.310) contains.

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Color

CIELCh(67, 9.790, 198.613)

Conversions

Conversions Part 1

Format	Color
Hex	8DA8A8
RGB	141, 168, 168
RGB Percent	55%, 66%, 66%
CMY	0.4460, 0.3401, 0.3401
CMYK	0.16, 0.00, 0.00, 0.34
HSL	180°, 13%, 61%
HSV	180°, 16%, 66%
XYZ	32.1784, 36.6320, 42.5562
YIQ	159.9270, -16.0920, -5.7240

Conversions

Conversions Part 2

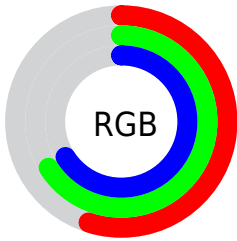
Format	Color
R_{YB}	141, 155, 168
Decimal	9283752
CIE _{Lab}	67.00, -9.28, -3.12
CIE _{LCh}	67, 9.790, 198.613
Yxy	36.6320, 0.2889, 0.3289
Android (android.graphics.Color)	4287473832 (0xFF8DA8A8)
YUV	159.9270, 3.9800, -16.5990
Hunter-Lab	60.5244, -11.0162, 0.6787

Details

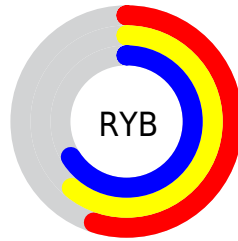
The CIELCh color $67, 9.790, 198.613$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $61, 10.841, 20.443$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 9.719, 198.788$, and $47, 9.912, 198.331$ is the 20% darker color. If you saturate the color by 10%, you get $66, 15.389, 198.115$, and if you desaturate by 10%, it is $68, 3.787, 199.198$.

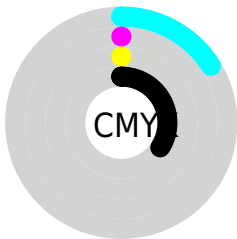
Distribution



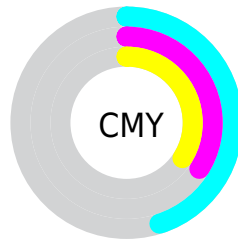
- Red (55%)
- Green (66%)
- Blue (66%)



- Red (55%)
- Yellow (61%)
- Blue (66%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (34%)



- Cyan (45%)
- Magenta (34%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 9.790, 198.613 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, 9.790, 198.613 by changing the saturation by 10% instead.

■ 67, 9.790, 198.613

■ 67, 9.790, 198.613

■ 100, 9.790,
198.613

■ 57, 9.790, 198.613

■ 87, 9.790, 198.613

■ 47, 9.790, 198.613

■ 97, 9.790, 198.613

■ 37, 9.790, 198.613

■ 27, 9.790, 198.613

■ 17, 9.790, 198.613

■ 7, 9.790, 198.613

■ 0, 9.790, 198.613

■ 67, 9.790, 198.613

■ 67, 9.790, 198.613

■ 66, 15.389,

■ 68, 3.787, 199.198

198.115

70, 2.527, 19.426

65, 20.483,
197.685

71, 9.067, 20.140

64, 24.976,
197.313

73, 15.760, 20.758

64, 28.783,
197.004

74, 22.545, 21.376

63, 31.840,
196.759

77, 34.555, 22.467

63, 34.120,
196.577

77, 34.555, 22.466

77, 34.555, 22.465

63, 35.635,
196.458

62, 36.464,
196.392

62, 36.712,
196.372

Harmonies

Complementary

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



67, 9.790, 198.613



61, 10.841, 20.443

Rectangle

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



67, 9.790, 198.613



67, 9.790, 248.613



67, 9.790, 18.613



67, 9.790, 68.613

Sweetspot

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



67, 9.791, 198.605



87, 3.891, 199.273



66, 18.172, 143.053



46, 2.647, 199.219



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, 9.791, 198.605



85, 14.236, 198.437



63, 8.759, 255.769



35, 3.516, 198.983



55, 33.390, 196.372



5, 6.572, 199.411

Inverse Universe

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



61, 10.841, 20.443



76, 16.124, 20.734



65, 9.159, 71.660



33, 3.724, 19.899



30, 69.023, 39.356



1, 6.572, 19.398

Previews

White Background



This preview shows how the CIELCh color 67, 9.790, 198.613 looks on a white background.

Color Contrast Check

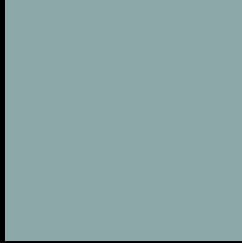
Large Text (above 18pt) WCAG AA × Fail

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, 9.790, 198.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

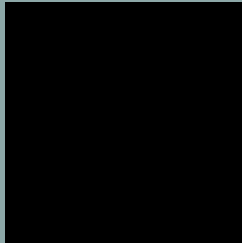
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

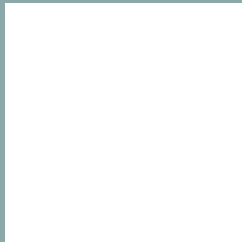
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 9.790, 198.613

Background



This preview shows how black text looks on a background with the CIELCh color 67, 9.790, 198.613.

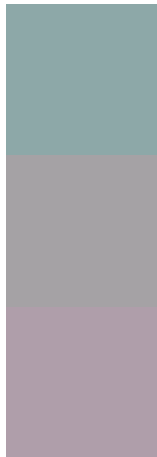


This preview shows how white text looks on a background with the CIELCh color 67, 9.790, 198.613.

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, 9.790, 198.613

Protanopia

67, 2.027, 324.430

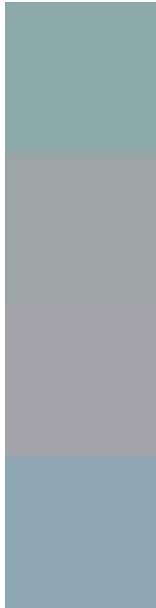
Deuteranopia

67, 9.275, 334.667



Tritanopia
67, 10.922, 240.167

Trichromacy



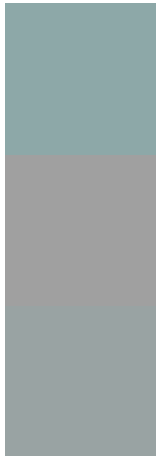
Original Color
67, 9.790, 198.613

Protanomaly
67, 3.164, 219.780

Deuteranomaly
67, 3.898, 296.093

Tritanomaly
67, 10.055, 228.557

Monochromacy



Original Color
67, 9.790, 198.613

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 3.741, 199.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 9.790, 198.613 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(141, 168, 168)` looks like.

```
.text, #text, p{  
    color:rgb(141, 168, 168)  
}
```

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(141, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 168, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 9.790, 198.613 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(141, 168, 168) }
```

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

```
.border{ border-color:rgb(141, 168, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 168, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(141, 168,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 9.790, 198.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 168, 168) }
```

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

```
.background{ background-color: rgb(141,  
168, 168) }
```

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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