

Converting Colors

CIELCh(68, 13.528, 198.304)

Have a look what the booklet for
CIELCh(68, 13.528, 198.304)
contains.

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Color

CIELCh(68, 13.455, 198.314)

Conversions

Conversions Part 1

Format	Color
Hex	87ADAD
RGB	135, 173, 173
RGB Percent	53%, 68%, 68%
CMY	0.4712, 0.3222, 0.3222
CMYK	0.22, 0.00, 0.00, 0.32
HSL	180°, 19%, 60%
HSV	180°, 22%, 68%
XYZ	32.4046, 37.9720, 45.0727
YIQ	161.6380, -22.6480, -8.0560

Conversions

Conversions Part 2

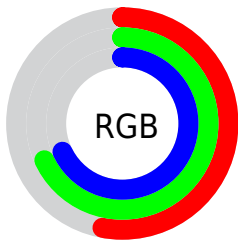
Format	Color
RYB	135, 154, 173
Decimal	8891821
CIELab	68.00, -12.77, -4.23
CIElCh	68, 13.455, 198.314
Yxy	37.9720, 0.2807, 0.3289
Android (android.graphics.Color)	4287081901 (0xFF87ADAD)
YUV	161.6380, 5.6015, -23.3615
Hunter-Lab	61.6215, -13.9704, -0.2324

Details

The CIELCh color `68, 13.455, 198.314` is a light color, and the websafe version is hex `669999`. A complement of this color would be `60, 15.529, 20.990`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `88, 13.303, 198.541`, and `48, 13.610, 197.961` is the 20% darker color. If you saturate the color by 10%, you get `67, 18.881, 197.854`, and if you desaturate by 10%, it is `69, 7.555, 198.828`.

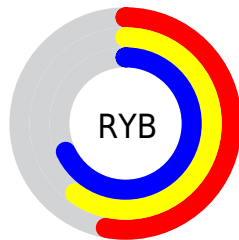
Distribution



Red (53%)

Green (68%)

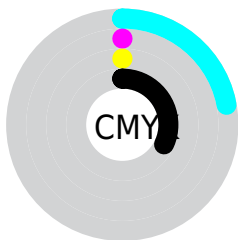
Blue (68%)



Red (53%)

Yellow (60%)

Blue (68%)

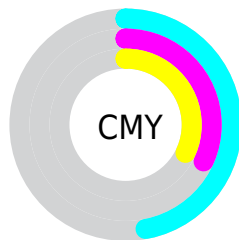


Cyan (22%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (47%)


Magenta (32%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 13.455, 198.314 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 68, 13.455, 198.314 by changing the saturation by 10% instead.


 68, 13.455,
198.314


 68, 13.455,
198.314


 100, 13.455,
198.314


 58, 13.455,
198.314


 88, 13.455,
198.314

 48, 13.455,
198.314

 98, 13.455,
198.314

 38, 13.455,
198.314

 28, 13.455,
198.314

 18, 13.455,
198.314

 8, 13.455, 198.314

 0, 13.455, 198.314

68, 13.455,
198.314

68, 13.455,
198.314

67, 18.881,
197.854

69, 7.555, 198.828

66, 23.729,
197.458

70, 1.280, 199.679

72, 5.277, 19.760

65, 27.907,
197.123

73, 12.034, 20.398

65, 31.340,
196.852

75, 18.919, 21.016

77, 25.877, 21.636

65, 33.983,
196.646

79, 32.527, 22.229

64, 35.832,
196.503

79, 32.527, 22.228

79, 32.527, 22.227

64, 36.933,
196.418

64, 37.443,

Harmonies

Complementary

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



68, 13.455, 198.314



60, 15.529, 20.990

Rectangle

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



68, 13.455, 198.314



68, 13.455, 248.314



68, 13.455, 18.314



68, 13.455, 68.314

Sweetspot

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



68, 13.456, 198.309



88, 5.524, 199.124



67, 25.478, 142.625



47, 3.580, 199.087



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 13.456, 198.309



86, 19.380, 198.098



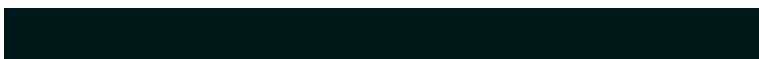
63, 12.208, 256.719



36, 3.603, 198.984



56, 33.809, 196.378



6, 7.801, 199.415

Inverse Universe

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



60, 15.529, 20.990



74, 23.100, 21.451



65, 13.012, 70.954



34, 3.818, 19.905



31, 69.980, 39.444



2, 7.802, 19.401

Previews

White Background



This preview shows how the CIELCh color 68, 13.455, 198.314 looks on a white background.

Color Contrast Check

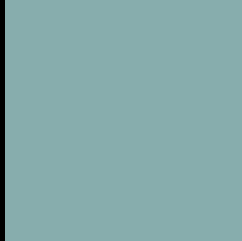
Large Text (above 18pt) WCAG AA × Fail

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 68, 13.455, 198.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

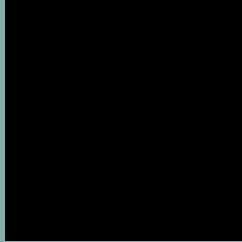
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

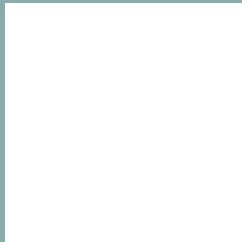
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 13.455, 198.314

Background



This preview shows how black text looks on a background with the CIELCh color 68, 13.455, 198.314.



This preview shows how white text looks on a background with the CIELCh color 68, 13.455, 198.314.

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](#).

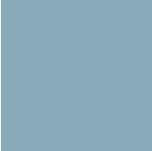
Dichromacy



Original Color
68, 13.455, 198.314

Protanopia
68, 2.497, 317.325

Deuteranopia
68, 10.489, 328.342



Tritanopia
68, 13.780, 232.844

Trichromacy



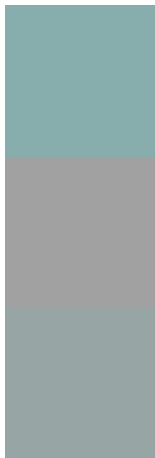
Original Color
68, 13.455, 198.314

Protanomaly
68, 4.693, 219.822

Deuteranomaly
68, 5.067, 278.090

Tritanomaly
68, 13.288, 220.507

Monochromacy



Original Color
68, 13.455, 198.314

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 5.197, 199.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 13.455, 198.314 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, 173, 173)` looks like.

```
.text, #text, p{  
    color:rgb(135, 173, 173)  
}
```

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, 173, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 173, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 13.455, 198.314 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, 173, 173) }
```

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

```
.border{ border-color:rgb(135, 173, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 173, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 173, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 173, 173);  
box-shadow:4px 4px 4px 4px rgb(135, 173,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 13.455, 198.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 173, 173) }
```

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

```
.background{ background-color: rgb(135,  
173, 173) }
```

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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