

Converting Colors

CIELCh(68, 22.763, 199.233)

Have a look what the booklet for
CIELCh(68, 22.763, 199.233)
contains.

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Color

CIELCh(68, 22.691, 198.991)

Conversions

Conversions Part 1

Format	Color
Hex	6CB1B2
RGB	108, 177, 178
RGB Percent	42%, 69%, 70%
CMY	0.5755, 0.3049, 0.3010
CMYK	0.39, 0.01, 0.00, 0.30
HSL	181°, 31%, 56%
HSV	181°, 39%, 70%
XYZ	30.0478, 37.9720, 47.9970
YIQ	156.4830, -41.4450, -14.3170

Conversions

Conversions Part 2

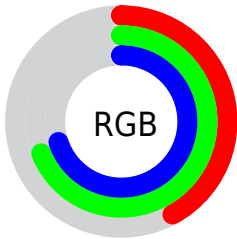
Format	Color
RYB	108, 143, 178
Decimal	7123378
CIELab	68.00, -21.46, -7.38
CIELCh	68, 22.691, 198.991
Yxy	37.9720, 0.2590, 0.3273
Android (android.graphics.Color)	4285313458 (0xFF6CB1B2)
YUV	156.4830, 10.6079, -42.5196
Hunter-Lab	61.6215, -20.7976, -3.0460

Details

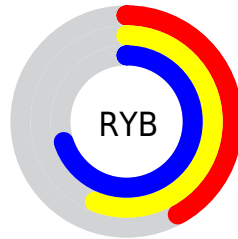
The CIELCh color **68, 22.691, 198.991** is a light color, and the websafe version is hex **669999**. A complement of this color would be **54, 29.920, 24.100**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 22.670, 199.257**, and **48, 22.616, 198.579** is the 20% darker color. If you saturate the color by 10%, you get **67, 27.088, 198.718**, and if you desaturate by 10%, it is **69, 17.635, 199.332**.

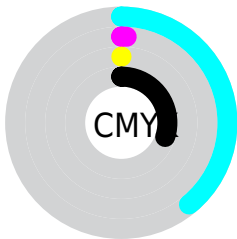
Distribution



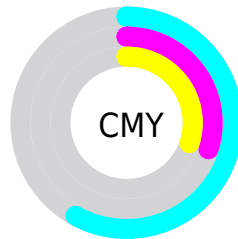
- Red (42%)
- Green (69%)
- Blue (70%)



- Red (42%)
- Yellow (56%)
- Blue (70%)



- Cyan (39%)
- Magenta (1%)
- Yellow (0%)
- Black (30%)





- Cyan (58%)
- Magenta (30%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 22.691, 198.991 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, 22.691, 198.991 by changing the saturation by 10% instead.

 68, 22.691,
198.991


 68, 22.691,
198.991


 100, 22.691,
198.991


 58, 22.691,
198.991


 88, 22.691,
198.991

 48, 22.691,
198.991

 98, 22.691,
198.991

 38, 22.691,
198.991

 28, 22.691,
198.991

 18, 22.691,
198.991

 8, 22.691, 198.991

 0, 22.691, 198.991

68, 22.691,
198.991

68, 22.691,
198.991

67, 27.088,
198.718

69, 17.635,
199.332

66, 30.742,
198.526

70, 12.019,
199.744

66, 33.596,
198.419

71, 5.947, 200.238

66, 35.632,
198.399

73, 0.481, 19.591

74, 7.173, 21.104

65, 36.879,
198.466

76, 14.050, 21.692

65, 37.503,
198.605

78, 21.045, 22.274

80, 28.105, 22.862

65, 37.542,
198.615

80, 29.682, 23.188

Harmonies

Complementary

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



68, 22.691, 198.991



54, 29.920, 24.100

Rectangle

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



68, 22.691, 198.991



68, 22.691, 248.991



68, 22.691, 18.991



68, 22.691, 68.991

Sweetspot

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



68, 22.691, 198.988



90, 9.468, 200.081



67, 46.622, 141.523



48, 6.308, 200.016



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 22.691, 198.988



85, 32.270, 198.752



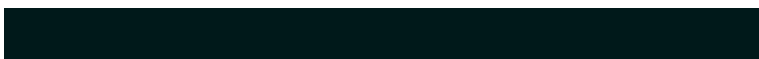
58, 22.422, 262.037



37, 3.637, 200.235



56, 33.551, 198.588



7, 8.937, 200.980

Inverse Universe

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



56, 46.103, 326.916



67, 67.475, 327.328



62, 25.041, 70.579



35, 6.686, 325.307



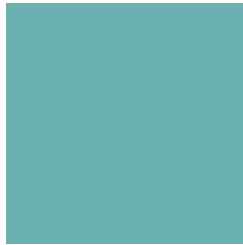
36, 78.065, 328.797



3, 16.022, 325.026

Previews

White Background



This preview shows how the CIELCh color 68, 22.691, 198.991 looks on a white background.

Color Contrast Check

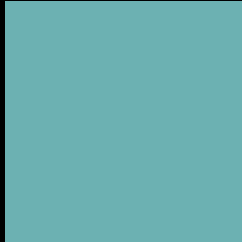
Large Text (above 18pt) WCAG AA × Fail

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 68, 22.691, 198.991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

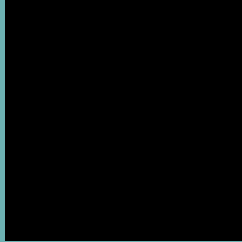
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

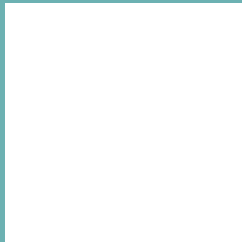
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 22.691, 198.991

Background



This preview shows how black text looks on a background with the CIELCh color 68, 22.691, 198.991.

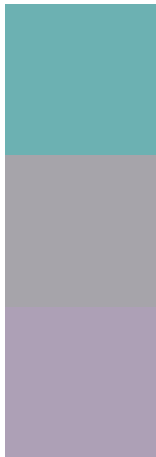


This preview shows how white text looks on a background with the CIELCh color 68, 22.691, 198.991.

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, 22.691, 198.991

Protanopia
68, 3.408, 303.220

Deuteranopia
68, 13.114, 312.676



Tritanopia
68, 21.744, 220.449

Trichromacy



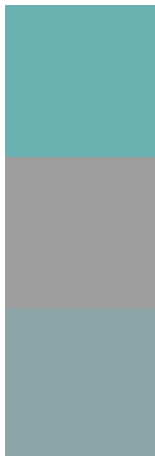
Original Color
68, 22.691, 198.991

Protanomaly
68, 8.868, 213.213

Deuteranomaly
67, 10.108, 254.366

Tritanomaly
68, 21.797, 212.553

Monochromacy



Original Color
68, 22.691, 198.991

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 9.106, 202.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 22.691, 198.991 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(108, 177, 178)` looks like.

```
.text, #text, p{  
    color:rgb(108, 177, 178)  
}
```

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(108, 177, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 177, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 22.691, 198.991 is called "border". The border property can be set on classes, ids or directly on the HTML element.

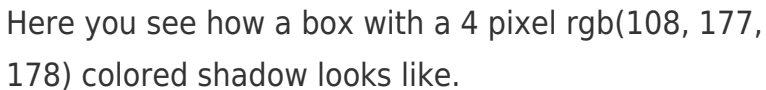
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 177, 178) }
```

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

```
.border{ border-color:rgb(108, 177, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 177, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 177, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 177, 178);  
box-shadow:4px 4px 4px 4px rgb(108, 177,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 22.691, 198.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 177, 178) }
```

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

```
.background{ background-color: rgb(108,  
177, 178) }
```

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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