

Converting Colors

CIELCh(68, 23.741, 197.492)

Have a look what the booklet for
CIELCh(68, 23.741, 197.492)
contains.

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Color

CIELCh(68, 23.840, 197.496)

Conversions

Conversions Part 1

Format	Color
Hex	69B2B2
RGB	105, 178, 178
RGB Percent	41%, 70%, 70%
CMY	0.5889, 0.3026, 0.3026
CMYK	0.41, 0.00, 0.00, 0.30
HSL	180°, 32%, 55%
HSV	180°, 41%, 70%
XYZ	29.7100, 37.9720, 47.7921
YIQ	156.1730, -43.5080, -15.4760

Conversions

Conversions Part 2

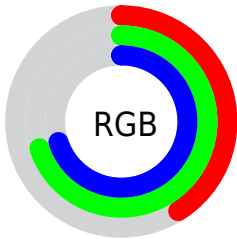
Format	Color
RYB	105, 142, 178
Decimal	6927026
CIELab	68.00, -22.74, -7.17
CIELCh	68, 23.840, 197.496
Yxy	37.9720, 0.2573, 0.3288
Android (android.graphics.Color)	4285117106 (0xFF69B2B2)
YUV	156.1730, 10.7607, -44.8787
Hunter-Lab	61.6215, -21.7761, -2.8489

Details

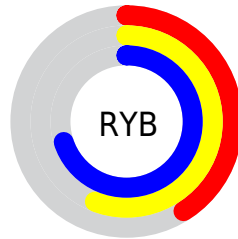
The CIELCh color **68, 23.840, 197.496** is a light color, and the websafe version is hex **669999**. A complement of this color would be **52, 31.796, 23.399**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 23.857, 197.847**, and **48, 23.817, 196.950** is the 20% darker color. If you saturate the color by 10%, you get **67, 28.177, 197.153**, and if you desaturate by 10%, it is **69, 18.824, 197.895**.

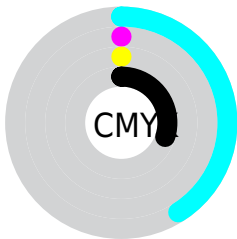
Distribution



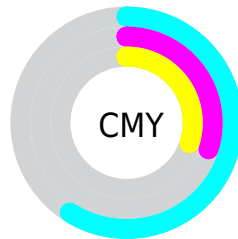
- Red (41%)
- Green (70%)
- Blue (70%)



- Red (41%)
- Yellow (56%)
- Blue (70%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)



- Cyan (59%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 23.840, 197.496 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, 23.840, 197.496 by changing the saturation by 10% instead.

 68, 23.840,
197.496

 68, 23.840,
197.496

 100, 23.840,
197.496

 58, 23.840,
197.496

 88, 23.840,
197.496

 48, 23.840,
197.496

 98, 23.840,
197.496

 38, 23.840,
197.496

 28, 23.840,
197.496

 18, 23.840,
197.496

 8, 23.840, 197.496

 0, 23.840, 197.496

68, 23.840,
197.496

68, 23.840,
197.496

67, 28.177,
197.153

69, 18.824,
197.895

67, 31.755,
196.876

70, 13.224,
198.356

66, 34.525,
196.665

71, 7.147, 198.883

66, 36.479,
196.517

72, 0.694, 200.075

74, 6.040, 19.828

66, 37.660,
196.428

75, 12.970, 20.462

66, 38.240,
196.385

77, 20.027, 21.081

79, 27.153, 21.703

80, 30.331, 21.980

Harmonies

Complementary

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



68, 23.840, 197.496



52, 31.796, 23.399

Rectangle

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



68, 23.840, 197.496



68, 23.840, 247.496



68, 23.840, 17.496



68, 23.840, 67.496

Sweetspot

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



68, 23.840, 197.493



90, 9.607, 198.817



66, 48.313, 140.988



48, 6.402, 198.746



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, 23.840, 197.493



86, 33.798, 197.190



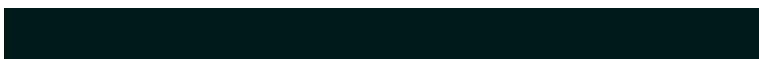
58, 22.935, 260.561



37, 3.691, 198.986



57, 34.227, 196.385



7, 9.138, 199.101

Inverse Universe

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



52, 31.796, 23.399



63, 48.406, 24.985



61, 26.081, 68.651



35, 3.911, 19.911



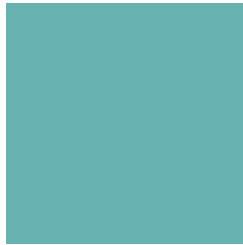
31, 70.930, 39.526



2, 9.156, 19.404

Previews

White Background



This preview shows how the CIELCh color 68, 23.840, 197.496 looks on a white background.

Color Contrast Check

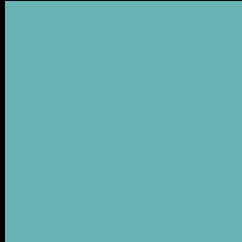
Large Text (above 18pt) WCAG AA × Fail

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, 23.840, 197.496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

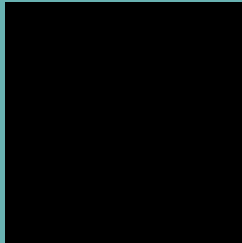
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 23.840, 197.496

Background



This preview shows how black text looks on a background with the CIELCh color 68, 23.840, 197.496.

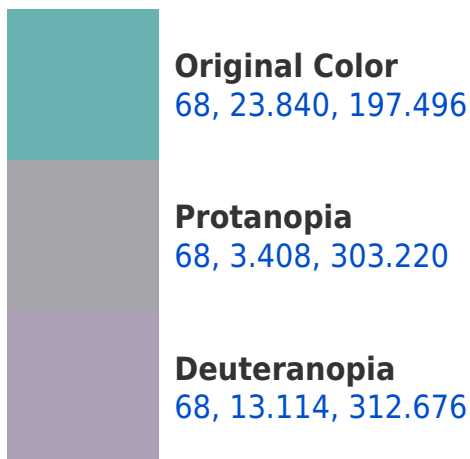


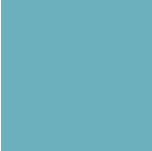
This preview shows how white text looks on a background with the CIELCh color 68, 23.840, 197.496.

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





Tritanopia
68, 22.608, 217.936

Trichromacy



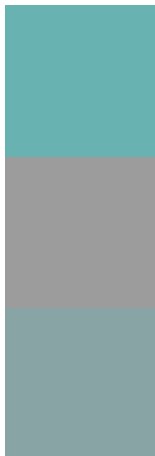
Original Color
68, 23.840, 197.496

Protanomaly
68, 9.202, 212.652

Deuteranomaly
67, 9.893, 250.686

Tritanomaly
68, 22.782, 210.369

Monochromacy



Original Color
68, 23.840, 197.496

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 9.823, 198.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 23.840, 197.496 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(105, 178, 178)` looks like.

```
.text, #text, p{  
    color:rgb(105, 178, 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(105, 178, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 178, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 23.840, 197.496 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(105, 178, 178) }
```

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

```
.border{ border-color:rgb(105, 178, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 178, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 178, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 178, 178);  
box-shadow:4px 4px 4px 4px rgb(105, 178,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 23.840, 197.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 178, 178) }
```

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

```
.background{ background-color: rgb(105,  
178, 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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