

Converting Colors

CIELCh(68, 36.170, 197.943)

Have a look what the booklet for
CIELCh(68, 36.170, 197.943)
contains.

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Color

CIELCh(68, 36.120, 198.388)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2CB7B9 |
| RGB | 44, 183, 185 |
| RGB Percent | 17%, 72%, 73% |
| CMY | 0.8265, 0.2818, 0.2740 |
| CMYK | 0.76, 0.01, 0.00, 0.27 |
| HSL | 181°, 61%, 45% |
| HSV | 181°, 76%, 73% |
| XYZ | 26.7811, 37.9720, 51.8912 |
| YIQ | 141.6670, -83.4860, -28.8460 |

Conversions

Conversions Part 2

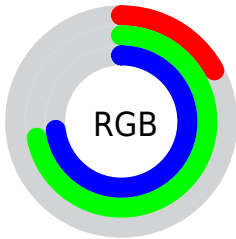
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 44, 114, 185 |
| Decimal | 2930617 |
| CIE Lab | 68.00, -34.28, -11.39 |
| CIE LCh | 68, 36.120, 198.388 |
| Yxy | 37.9720, 0.2296, 0.3255 |
| Android (android.graphics.Color) | 4281120697 (0xFF2CB7B9) |
| YUV | 141.6670, 21.3632, -85.6540 |
| Hunter-Lab | 61.6215, -30.2603, -6.7929 |

Details

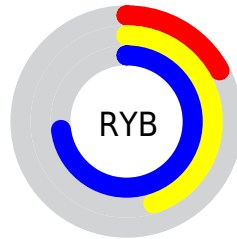
The CIELCh color **68, 36.120, 198.388** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **42, 65.065, 32.834**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 36.054, 198.789**, and **49, 29.800, 199.899** is the 20% darker color. If you saturate the color by 10%, you get **68, 37.639, 198.428**, and if you desaturate by 10%, it is **68, 33.770, 198.434**.

Distribution



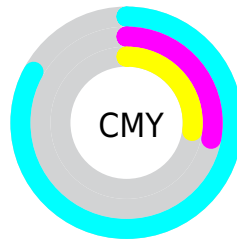
- Red (17%)
- Green (72%)
- Blue (73%)



- Red (17%)
- Yellow (45%)
- Blue (73%)



- Cyan (76%)
- Magenta (1%)
- Yellow (0%)
- Black (27%)




- Cyan (83%)
- Magenta (28%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 36.120, 198.388 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, 36.120, 198.388 by changing the saturation by 10% instead.

 68, 36.120,
198.388

 68, 36.120,
198.388


 100, 36.120,
198.388


 58, 36.120,
198.388


 88, 36.120,
198.388

 48, 36.120,
198.388

 98, 36.120,
198.388

 38, 36.120,
198.388

 28, 36.120,
198.388

 18, 36.120,
198.388

 8, 36.120, 198.388

 0, 36.120, 198.388

68, 36.120,
198.388

68, 36.120,
198.388

68, 37.639,
198.428

68, 33.770,
198.434

67, 38.410,
198.552

69, 30.575,
198.567

67, 38.616,
198.611

70, 26.567,
198.785

71, 21.814,
199.079

72, 16.410,
199.446

73, 10.461,
199.881

74, 4.072, 200.426

76, 2.653, 20.608

Harmonies

Complementary

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



68, 36.120, 198.388



42, 65.065, 32.834

Rectangle

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



68, 36.120, 198.388



68, 36.120, 248.388



68, 36.120, 18.388



68, 36.120, 68.388

Sweetspot

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



68, 36.120, 198.387



91, 18.005, 199.558



66, 84.318, 137.536



48, 12.298, 199.411



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 36.120, 198.387



85, 46.372, 198.498



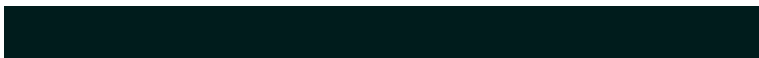
47, 43.475, 273.694



38, 3.723, 200.227



57, 33.963, 198.581



8, 10.282, 199.632

Inverse Universe

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



46, 81.682, 328.385



57, 107.322, 328.710



55, 53.339, 65.641



36, 6.844, 325.307



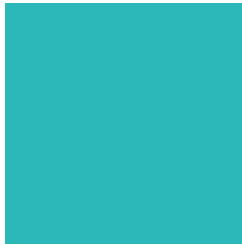
37, 79.020, 328.795



3, 18.556, 325.270

Previews

White Background



This preview shows how the CIE LCh color 68, 36.120, 198.388 looks on a white background.

Color Contrast Check

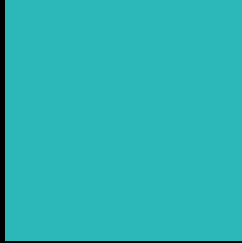
Large Text (above 18pt) WCAG AA × Fail

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, 36.120, 198.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

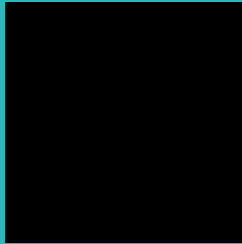
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

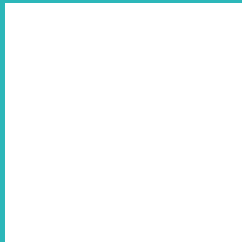
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 36.120, 198.388

Background



This preview shows how black text looks on a background with the CIELCh color 68, 36.120, 198.388.

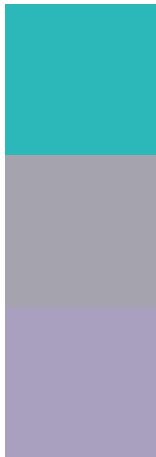


This preview shows how white text looks on a background with the CIELCh color 68, 36.120, 198.388.

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](#).

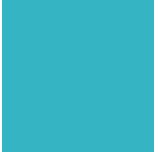
Dichromacy



Original Color
68, 36.120, 198.388

Protanopia
67, 5.586, 298.387

Deuteranopia
67, 16.881, 301.573



Tritanopia
68, 33.885, 211.238

Trichromacy



Original Color
68, 36.120, 198.388



Protanomaly
67, 16.964, 211.390



Deuteranomaly
66, 18.167, 236.240



Tritanomaly
68, 34.559, 206.103

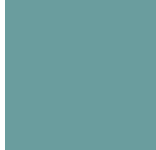
Monochromacy



Original Color
68, 36.120, 198.388



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 17.646, 199.703

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 36.120, 198.388 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(44, 183, 185)` looks like.

```
.text, #text, p{  
    color:rgb(44, 183, 185)  
}
```

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(44, 183, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 183, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 36.120, 198.388 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(44, 183, 185) }
```

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

```
.border{ border-color:rgb(44, 183, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 183, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 183, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 183, 185);  
box-shadow:4px 4px 4px 4px rgb(44, 183,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 36.120, 198.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 183, 185) }
```

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

```
.background{ background-color: rgb(44, 183,  
185) }
```

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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