

Converting Colors

CIELCh(68, 38.663, 195.206)

Have a look what the booklet for
CIELCh(68, 38.663, 195.206)
contains.

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Color

CIELCh(68, 38.568, 195.598)

Conversions

Conversions Part 1

Format	Color
Hex	16B8B7
RGB	22, 184, 183
RGB Percent	9%, 72%, 72%
CMY	0.9148, 0.2775, 0.2815
CMYK	0.88, 0.00, 0.01, 0.28
HSL	180°, 79%, 40%
HSV	180°, 88%, 72%
XYZ	26.0833, 37.9720, 50.8778
YIQ	135.4480, -96.2310, -34.6550

Conversions

Conversions Part 2

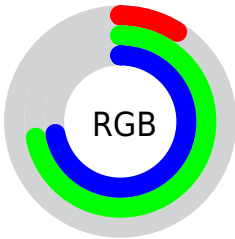
Format	Color
RYB	22, 103, 184
Decimal	1489079
CIELab	68.00, -37.15, -10.37
CIELCh	68, 38.568, 195.598
Yxy	37.9720, 0.2269, 0.3304
Android (android.graphics.Color)	4279679159 (0xFF16B8B7)
YUV	135.4480, 23.4431, -99.4939
Hunter-Lab	61.6215, -32.2815, -5.8178

Details

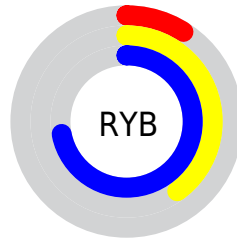
The CIELCh color **68, 38.568, 195.598** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **39, 74.724, 36.283**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 38.643, 195.377**, and **49, 30.401, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **68, 39.322, 195.464**, and if you desaturate by 10%, it is **68, 37.128, 195.770**.

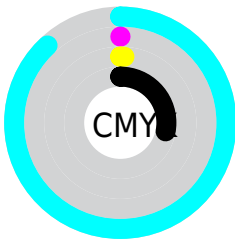
Distribution



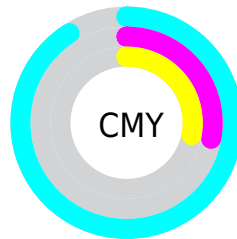
- Red (9%)
- Green (72%)
- Blue (72%)



- Red (9%)
- Yellow (40%)
- Blue (72%)



- Cyan (88%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)





- Cyan (91%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 38.568, 195.598 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, 38.568, 195.598 by changing the saturation by 10% instead.


 68, 38.568,
195.598


 68, 38.568,
195.598


 100, 38.568,
195.598


 58, 38.568,
195.598


 88, 38.568,
195.598

 48, 38.568,
195.598

 98, 38.568,
195.598

 38, 38.568,
195.598

 28, 38.568,
195.598

 18, 38.568,
195.598

 8, 38.568, 195.598

 0, 38.568, 195.598

■ 68, 38.568,
195.598

■ 68, 38.568,
195.598

■ 68, 39.322,
195.464

■ 68, 37.128,
195.770

■ 68, 39.433,
195.442

■ 69, 34.872,
195.993

■ 69, 31.772,
196.271

■ 70, 27.849,
196.606

■ 70, 23.166,
196.999

■ 71, 17.811,
197.446

■ 72, 11.889,
197.948

■ 74, 5.508, 198.526

Harmonies

Complementary

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



68, 38.568, 195.598



39, 74.724, 36.283

Rectangle

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



68, 38.568, 195.598



68, 38.568, 245.598



68, 38.568, 15.598



68, 38.568, 65.598

Sweetspot

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



68, 38.568, 195.597



91, 20.461, 197.531



65, 90.405, 136.437



48, 13.687, 197.368



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, 38.568, 195.597



86, 48.039, 195.426



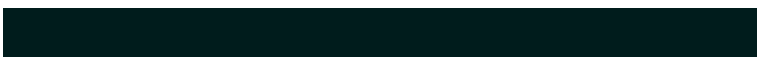
44, 48.400, 277.048



38, 3.779, 198.454



58, 34.797, 195.454



8, 10.534, 197.031

Inverse Universe

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



39, 74.724, 36.283



50, 99.533, 39.814



51, 61.286, 62.011



36, 4.003, 19.414



32, 71.633, 39.352



2, 10.639, 19.028

Previews

White Background



This preview shows how the CIELCh color 68, 38.568, 195.598 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, 38.568, 195.598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

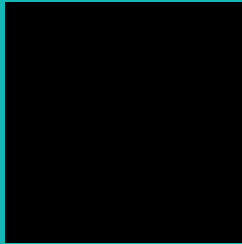
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

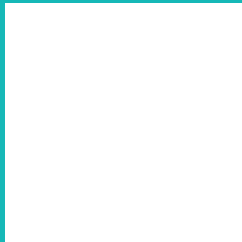
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 38.568, 195.598

Background



This preview shows how black text looks on a background with the CIELCh color 68, 38.568, 195.598.

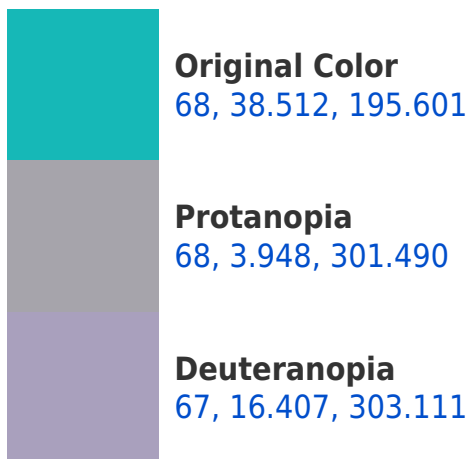


This preview shows how white text looks on a background with the CIELCh color 68, 38.568, 195.598.

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, 35.437, 210.488

Trichromacy



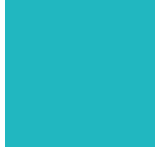
Original Color
68, 38.512, 195.601



Protanomaly
66, 19.225, 204.527



Deuteranomaly
66, 19.817, 228.606



Tritanomaly
68, 36.462, 204.583

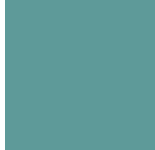
Monochromacy



Original Color
68, 38.512, 195.601



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 20.450, 195.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 38.568, 195.598 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(22, 184, 183)` looks like.

```
.text, #text, p{  
    color:rgb(22, 184, 183)  
}
```

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(22, 184, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 184, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 38.568, 195.598 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(22, 184, 183) }
```

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

```
.border{ border-color:rgb(22, 184, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 184, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 184, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 184, 183);  
box-shadow:4px 4px 4px 4px rgb(22, 184,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 38.568, 195.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 184, 183) }
```

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

```
.background{ background-color: rgb(22, 184,  
183) }
```

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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