

Converting Colors

CIELCh(68, 45.500, 171.455)

Have a look what the booklet for
CIELCh(68, 45.500, 171.455)
contains.

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Color

CIELCh(68, 45.447, 171.470)

Conversions

Conversions Part 1

Format	Color
Hex	2ABA98
RGB	42, 186, 152
RGB Percent	16%, 73%, 60%
CMY	0.8340, 0.2698, 0.4032
CMYK	0.77, 0.00, 0.18, 0.27
HSL	166°, 63%, 45%
HSV	166°, 77%, 73%
XYZ	24.2504, 37.9720, 35.8364
YIQ	139.0680, -74.9100, -41.1020

Conversions

Conversions Part 2

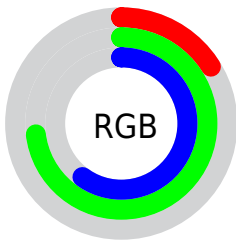
Format	Color
RYB	42, 124, 186
Decimal	2800280
CIELab	68.00, -44.94, 6.74
CIElCh	68, 45.447, 171.470
Yxy	37.9720, 0.2473, 0.3872
Android (android.graphics.Color)	4280990360 (0xFF2ABA98)
YUV	139.0680, 6.3755, -85.1286
Hunter-Lab	61.6215, -37.5910, 8.6545

Details

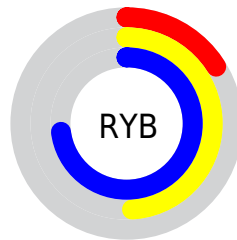
The CIELCh color **68, 45.447, 171.470** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **42, 60.169, 15.547**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 45.586, 171.328**, and **49, 39.544, 168.066** is the 20% darker color. If you saturate the color by 10%, you get **68, 48.493, 169.731**, and if you desaturate by 10%, it is **68, 41.614, 173.032**.

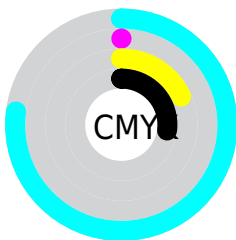
Distribution



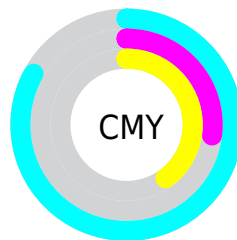
- Red (16%)
- Green (73%)
- Blue (60%)



- Red (16%)
- Yellow (49%)
- Blue (73%)



- Cyan (77%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)




- Cyan (83%)
- Magenta (27%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 45.447, 171.470 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, 45.447, 171.470 by changing the saturation by 10% instead.


 68, 45.447,
171.470

 68, 45.447,
171.470

 100, 45.447,
171.470


 58, 45.447,
171.470


 88, 45.447,
171.470

 48, 45.447,
171.470

 98, 45.447,
171.470

 38, 45.447,
171.470

 28, 45.447,
171.470

 18, 45.447,
171.470

 8, 45.447, 171.470

 0, 45.447, 171.470

■ 68, 45.447,
171.470

■ 68, 45.447,
171.470

■ 68, 48.493,
169.731

■ 68, 41.614,
173.032

■ 67, 50.840,
167.824

■ 69, 37.001,
174.438

■ 67, 51.437,
167.307

■ 70, 31.669,
175.711

■ 71, 25.713,
176.876

■ 72, 19.251,
177.953

■ 73, 12.403,
178.965

■ 74, 5.284, 179.954

■ 76, 2.004, 0.517

Harmonies

Complementary

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



68, 45.447, 171.470



42, 60.169, 15.547

Rectangle

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



68, 45.447, 171.470



68, 45.447, 221.470



68, 45.447, 351.470



68, 45.447, 41.470

Sweetspot

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



68, 45.447, 171.469



92, 20.254, 178.353



67, 81.171, 133.410



49, 14.036, 177.980



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 45.447, 171.469



86, 61.214, 168.355



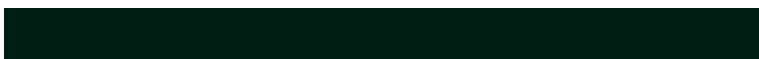
58, 32.424, 237.149



39, 4.154, 179.743



58, 45.407, 167.577



9, 13.523, 173.145

Inverse Universe

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



42, 60.169, 15.547



52, 84.300, 23.790



47, 58.955, 45.213



37, 4.293, 1.331



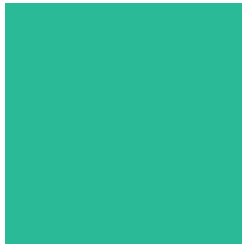
33, 63.186, 25.858



3, 12.632, 6.054

Previews

White Background



This preview shows how the CIELCh color 68, 45.447, 171.470 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, 45.447, 171.470 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

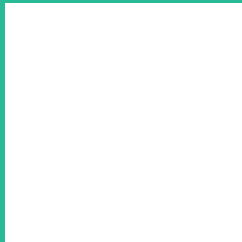
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 45.447, 171.470

Background



This preview shows how black text looks on a background with the CIELCh color 68, 45.447, 171.470.

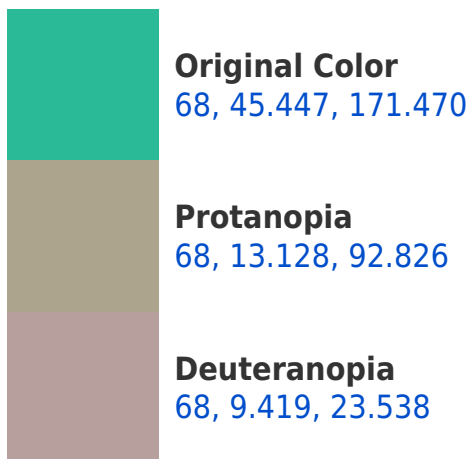


This preview shows how white text looks on a background with the CIELCh color 68, 45.447, 171.470.

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, 31.771, 212.361

Trichromacy



Original Color
68, 45.447, 171.470



Protanomaly
66, 23.196, 157.514



Deuteranomaly
66, 15.542, 170.465



Tritanomaly
68, 34.846, 193.916

Monochromacy



Original Color
68, 45.447, 171.470



Achromatopsia
58, 0.007, 296.813



Achromatomaly
61, 20.049, 177.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 45.447, 171.470 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(42, 186, 152)` looks like.

```
.text, #text, p{  
    color:rgb(42, 186, 152)  
}
```

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(42, 186, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 186, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 45.447, 171.470 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(42, 186, 152) }
```

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

```
.border{ border-color:rgb(42, 186, 152) }
```

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

Here you see how a box with a 4 pixel rgb(42, 186, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 186, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 186, 152);  
box-shadow:4px 4px 4px 4px rgb(42, 186,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 45.447, 171.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 186, 152) }
```

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

```
.background{ background-color: rgb(42, 186,  
152) }
```

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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