

Converting Colors

CIELCh(68, 35.129, 220.654)

Have a look what the booklet for
CIELCh(68, 35.129, 220.654)
contains.

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Color

CIELCh(68, 35.125, 220.448)

Conversions

Conversions Part 1

Format	Color
Hex	2DB5CE
RGB	45, 181, 206
RGB Percent	18%, 71%, 81%
CMY	0.8247, 0.2909, 0.1929
CMYK	0.78, 0.12, 0.00, 0.19
HSL	189°, 64%, 49%
HSV	189°, 78%, 81%
XYZ	28.6735, 37.9720, 64.0930
YIQ	143.1860, -89.0810, -21.0570

Conversions

Conversions Part 2

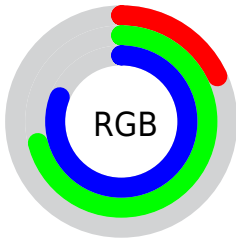
Format	Color
RYB	45, 119, 206
Decimal	2995662
CIELab	68.00, -26.73, -22.79
CIELCh	68, 35.125, 220.448
Yxy	37.9720, 0.2193, 0.2904
Android (android.graphics.Color)	4281185742 (0xFF2DB5CE)
YUV	143.1860, 30.9673, -86.1091
Hunter-Lab	61.6215, -24.7785, -18.5330

Details

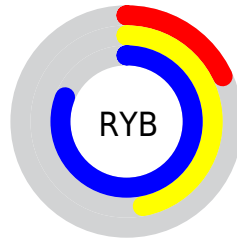
The CIELCh color **68, 35.125, 220.448** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **49, 68.277, 39.714**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 34.591, 213.319**, and **49, 29.603, 225.857** is the 20% darker color. If you saturate the color by 10%, you get **67, 36.375, 222.735**, and if you desaturate by 10%, it is **69, 33.074, 218.644**.

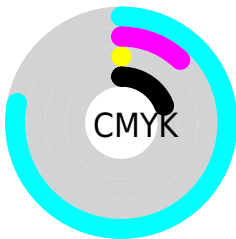
Distribution



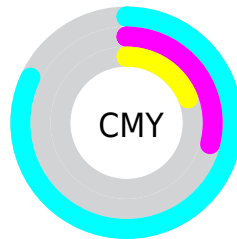
- Red (18%)
- Green (71%)
- Blue (81%)



- Red (18%)
- Yellow (47%)
- Blue (81%)



- Cyan (78%)
- Magenta (12%)
- Yellow (0%)
- Black (19%)




- Cyan (82%)
- Magenta (29%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 35.125, 220.448 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, 35.125, 220.448 by changing the saturation by 10% instead.

 68, 35.125,
220.448

 68, 35.125,
220.448


 100, 35.125,
220.448


 58, 35.125,
220.448


 88, 35.125,
220.448

 48, 35.125,
220.448

 98, 35.125,
220.448

 38, 35.125,
220.448

 28, 35.125,
220.448

 18, 35.125,
220.448

 8, 35.125, 220.448

 0, 35.125, 220.448

68, 35.125,
220.448

68, 35.125,
220.448

67, 36.375,
222.735

69, 33.074,
218.644

66, 36.972,
225.520

71, 30.189,
217.262

65, 37.056,
226.016

73, 26.497,
216.233

74, 22.064,
215.495

76, 16.985,
214.994

79, 11.361,
214.688

81, 5.294, 214.570

83, 1.122, 33.901

Harmonies

Complementary

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



68, 35.125, 220.448



49, 68.277, 39.714

Rectangle

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



68, 35.125, 220.448



68, 35.125, 270.448



68, 35.125, 40.448



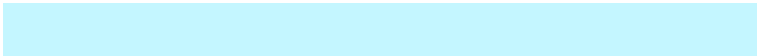
68, 35.125, 90.448

Sweetspot

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



68, 35.124, 220.447



94, 16.732, 214.818



73, 86.132, 140.532



49, 11.432, 214.942



0, 0.000, 0.000



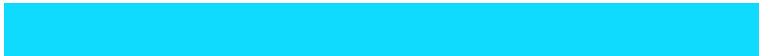
53, 0.007, 296.813

Same Dimension

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



68, 35.124, 220.447



80, 43.283, 224.616



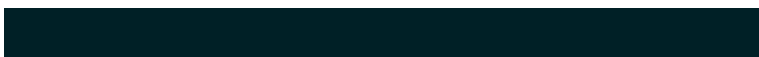
45, 62.510, 287.958



42, 3.589, 214.571



54, 31.554, 225.501



10, 11.867, 218.733

Inverse Universe

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



50, 81.705, 333.993



59, 101.785, 335.229



66, 60.926, 78.665



40, 6.772, 329.545



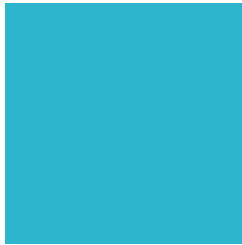
38, 74.226, 335.478



5, 25.591, 333.306

Previews

White Background



This preview shows how the CIE LCh color 68, 35.125, 220.448 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, 35.125, 220.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

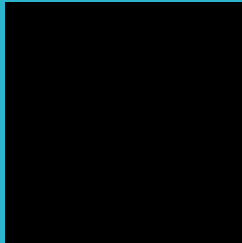
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 35.125, 220.448

Background



This preview shows how black text looks on a background with the CIELCh color 68, 35.125, 220.448.



This preview shows how white text looks on a background with the CIELCh color 68, 35.125, 220.448.

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

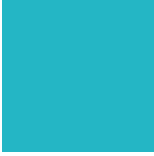
68, 35.125, 220.448

Protanopia

68, 17.160, 286.110

Deuteranopia

67, 27.072, 289.403



Tritanopia
68, 35.782, 210.331

Trichromacy



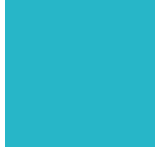
Original Color
68, 35.125, 220.448



Protanomaly
67, 22.421, 244.495



Deuteranomaly
67, 26.571, 255.567



Tritanomaly
68, 35.518, 213.298

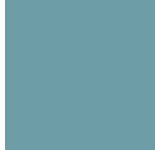
Monochromacy



Original Color
68, 35.125, 220.448



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 17.472, 214.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 35.125, 220.448 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(45, 181, 206)` looks like.

```
.text, #text, p{  
    color:rgb(45, 181, 206)  
}
```

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(45, 181, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 181, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 35.125, 220.448 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(45, 181, 206) }
```

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

```
.border{ border-color:rgb(45, 181, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 181, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 181, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 181, 206);  
box-shadow:4px 4px 4px 4px rgb(45, 181,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 35.125, 220.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 181, 206) }
```

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

```
.background{ background-color: rgb(45, 181,  
206) }
```

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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