

Converting Colors

CIELCh(70, 34.939, 221.631)

Have a look what the booklet for
CIELCh(70, 34.939, 221.631)
contains.

CIELCh(70, 34.909, 221.536)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 34.909, 221.536)

Conversions

Conversions Part 1

Format	Color
Hex	38BAD4
RGB	56, 186, 212
RGB Percent	22%, 73%, 83%
CMY	0.7799, 0.2703, 0.1683
CMYK	0.74, 0.12, 0.00, 0.17
HSL	190°, 64%, 53%
HSV	190°, 74%, 83%
XYZ	31.1042, 40.7494, 68.5619
YIQ	150.0940, -85.8260, -19.4740

Conversions

Conversions Part 2

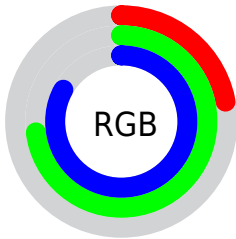
Format	Color
R _{YB}	56, 127, 212
Decimal	3717844
CIE Lab	70.00, -26.13, -23.15
CIE LCh	70, 34.909, 221.536
Yxy	40.7494, 0.2215, 0.2902
Android (android.graphics.Color)	4281907924 (0xFF38BAD4)
YUV	150.0940, 30.5197, -82.5204
Hunter-Lab	63.8353, -24.7363, -18.9954

Details

The CIELCh color **70, 34.909, 221.536** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted azure. A complement of this color would be **52, 64.675, 39.680**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 33.973, 208.976**, and **51, 30.332, 224.873** is the 20% darker color. If you saturate the color by 10%, you get **69, 36.595, 223.785**, and if you desaturate by 10%, it is **72, 32.394, 219.776**.

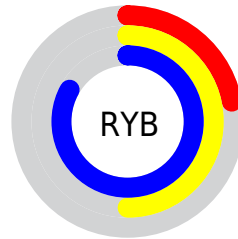
Distribution



Red (22%)

Green (73%)

Blue (83%)



Red (22%)

Yellow (50%)

Blue (83%)

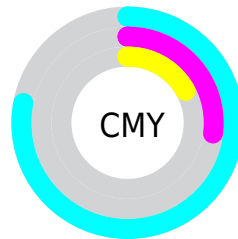


Cyan (74%)

Magenta (12%)

Yellow (0%)

Black (17%)



Cyan (78%)


Magenta (27%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 34.909, 221.536 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 70, 34.909, 221.536 by changing the saturation by 10% instead.


 70, 34.909,
221.536


 70, 34.909,
221.536


 100, 34.909,
221.536


 60, 34.909,
221.536


 90, 34.909,
221.536

 50, 34.909,
221.536

 40, 34.909,
221.536

 30, 34.909,
221.536

 20, 34.909,
221.536

 10, 34.909,
221.536

 0, 34.909, 221.536

70, 34.909,
221.536

70, 34.909,
221.536

69, 36.595,
223.785

72, 32.394,
219.776

67, 37.536,
226.584

73, 29.045,
218.435

67, 37.893,
228.623

75, 24.909,
217.440

77, 20.068,
216.729

79, 14.621,
216.248

82, 8.674, 215.961

84, 2.326, 215.969

87, 4.335, 35.524

Harmonies

Complementary

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



70, 34.909, 221.536



52, 64.675, 39.680

Rectangle

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



70, 34.909, 221.536



70, 34.909, 271.536



70, 34.909, 41.536



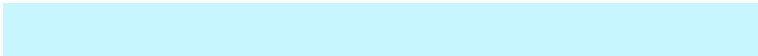
70, 34.909, 91.536

Sweetspot

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



70, 34.908, 221.535



94, 15.942, 216.200



75, 83.457, 141.686



49, 10.612, 216.304



0, 0.000, 0.000



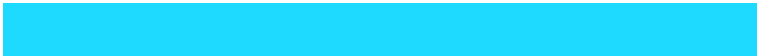
53, 0.007, 296.813

Same Dimension

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



70, 34.908, 221.535



80, 42.734, 225.224



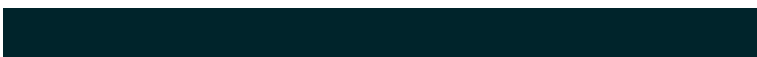
47, 61.444, 287.485



44, 3.707, 215.903



54, 32.252, 228.082



12, 12.710, 221.557

Inverse Universe

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



52, 80.294, 334.182



59, 99.838, 335.345



69, 59.559, 80.906



42, 6.993, 329.935



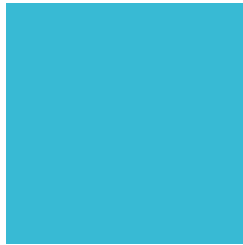
39, 75.219, 336.143



6, 29.154, 334.348

Previews

White Background



This preview shows how the CIELCh color 70, 34.909, 221.536 looks on a white background.

Color Contrast Check

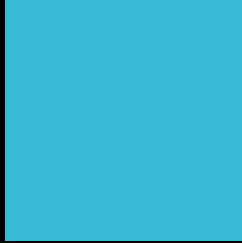
Large Text (above 18pt) WCAG AA × Fail

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 70, 34.909, 221.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

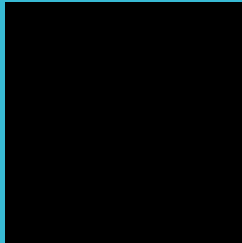
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 34.909, 221.536

Background



This preview shows how black text looks on a background with the CIELCh color 70, 34.909, 221.536.



This preview shows how white text looks on a background with the CIELCh color 70, 34.909, 221.536.

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

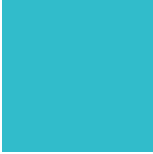
70, 34.909, 221.536

Protanopia

70, 17.587, 287.411

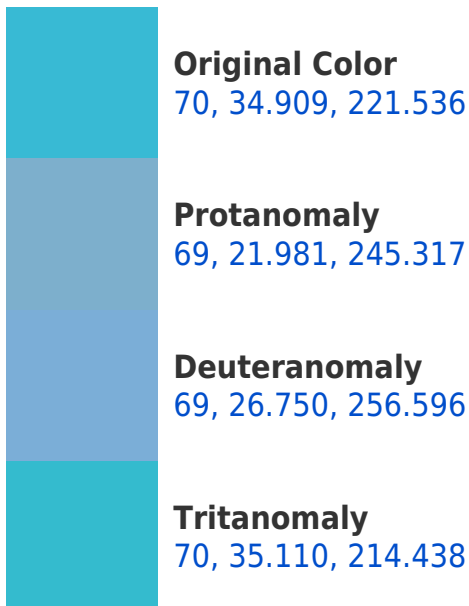
Deuteranopia

70, 26.895, 289.300



Tritanopia
70, 35.585, 210.387

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 34.909, 221.536 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(56, 186, 212)` looks like.

```
.text, #text, p{  
    color:rgb(56, 186, 212)  
}
```

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(56, 186, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 186, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 34.909, 221.536 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(56, 186, 212) }
```

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

```
.border{ border-color:rgb(56, 186, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 186, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 186, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 186, 212);  
box-shadow:4px 4px 4px 4px rgb(56, 186,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 34.909, 221.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 186, 212) }
```

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

```
.background{ background-color: rgb(56, 186,  
212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor