

Converting Colors

CIELCh(70, 35.431, 209.672)

Have a look what the booklet for
CIELCh(70, 35.431, 209.672)
contains.

CIELCh(70, 35.494, 209.494)	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, 35.494, 209.494)

Conversions

Conversions Part 1

Format	Color
Hex	32BCCA
RGB	50, 188, 202
RGB Percent	20%, 74%, 79%
CMY	0.8058, 0.2639, 0.2091
CMYK	0.75, 0.07, 0.00, 0.21
HSL	186°, 61%, 49%
HSV	186°, 75%, 79%
XYZ	29.8319, 40.7494, 61.9778
YIQ	148.3340, -86.7420, -24.9020

Conversions

Conversions Part 2

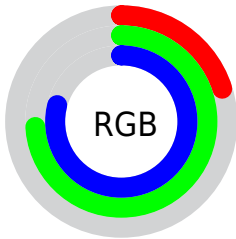
Format	Color
RYB	50, 122, 202
Decimal	3325130
CIELab	70.00, -30.89, -17.47
CIELCh	70, 35.494, 209.494
Yxy	40.7494, 0.2250, 0.3074
Android (android.graphics.Color)	4281515210 (0xFF32BCCA)
YUV	148.3340, 26.4573, -86.2389
Hunter-Lab	63.8353, -28.2940, -12.8801

Details

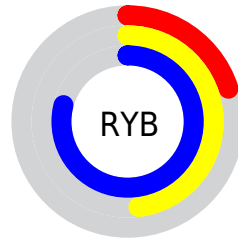
The CIELCh color **70, 35.494, 209.494** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **47, 66.548, 36.023**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 35.668, 205.711**, and **51, 29.917, 212.788** is the 20% darker color. If you saturate the color by 10%, you get **69, 36.893, 210.594**, and if you desaturate by 10%, it is **71, 33.222, 208.671**.

Distribution



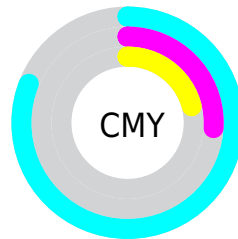
- Red (20%)
- Green (74%)
- Blue (79%)



- Red (20%)
- Yellow (48%)
- Blue (79%)



- Cyan (75%)
- Magenta (7%)
- Yellow (0%)
- Black (21%)




- Cyan (81%)
- Magenta (26%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 35.494, 209.494 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, 35.494, 209.494 by changing the saturation by 10% instead.

 70, 35.494,
209.494

 70, 35.494,
209.494


 100, 35.494,
209.494


 60, 35.494,
209.494

 90, 35.494,
209.494

 50, 35.494,
209.494

 40, 35.494,
209.494

 30, 35.494,
209.494

 20, 35.494,
209.494

 10, 35.494,
209.494

 0, 35.494, 209.494

70, 35.494,
209.494

70, 35.494,
209.494

69, 36.893,
210.594

71, 33.222,
208.671

68, 37.497,
211.999

72, 30.072,
208.094

68, 37.628,
212.701

73, 26.086,
207.726

75, 21.344,
207.535

76, 15.949,
207.492

78, 10.007,
207.579

80, 3.628, 207.837

82, 3.091, 27.734

Harmonies

Complementary

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



70, 35.494, 209.494



47, 66.548, 36.023

Rectangle

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



70, 35.494, 209.494



70, 35.494, 259.494



70, 35.494, 29.494



70, 35.494, 79.494

Sweetspot

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



70, 35.493, 209.493



95, 17.566, 207.500



72, 85.964, 139.305



50, 11.998, 207.490



0, 0.000, 0.000



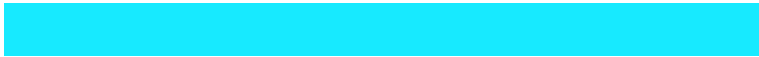
53, 0.007, 296.813

Same Dimension

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



70, 35.493, 209.493



85, 44.606, 211.516



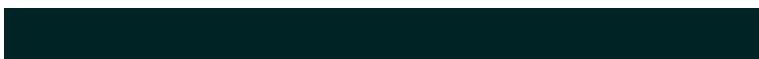
48, 53.045, 281.683



42, 3.771, 207.700



57, 32.558, 212.447



11, 12.335, 208.804

Inverse Universe

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



50, 82.415, 331.194



60, 106.210, 331.955



63, 57.065, 73.258



40, 7.078, 327.543



38, 77.929, 332.233



5, 26.961, 330.706

Previews

White Background



This preview shows how the CIE LCh color 70, 35.494, 209.494 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, 35.494, 209.494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

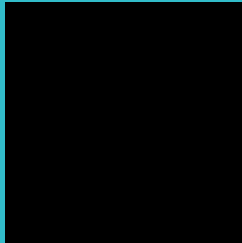
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

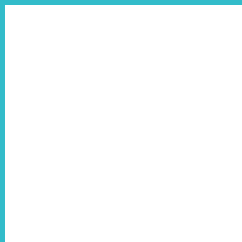
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 35.494, 209.494

Background



This preview shows how black text looks on a background with the CIELCh color 70, 35.494, 209.494.

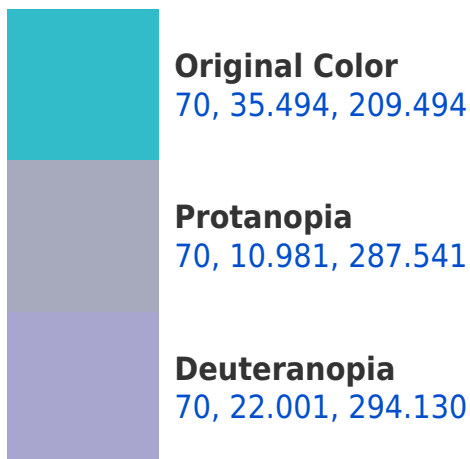


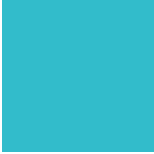
This preview shows how white text looks on a background with the CIELCh color 70, 35.494, 209.494.

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
70, 35.477, 210.436

Trichromacy



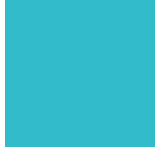
Original Color
70, 35.494, 209.494



Protanomaly
69, 19.291, 229.318



Deuteranomaly
69, 22.153, 247.046



Tritanomaly
70, 35.477, 210.436

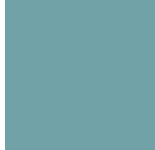
Monochromacy



Original Color
70, 35.494, 209.494



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 17.261, 209.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 35.494, 209.494 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(50, 188, 202)` looks like.

```
.text, #text, p{  
    color:rgb(50, 188, 202)  
}
```

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(50, 188, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 188, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 35.494, 209.494 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(50, 188, 202) }
```

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

```
.border{ border-color:rgb(50, 188, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 188, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 188, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 188, 202);  
box-shadow:4px 4px 4px 4px rgb(50, 188,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 35.494, 209.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 188, 202) }
```

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

```
.background{ background-color: rgb(50, 188,  
202) }
```

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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