

Converting Colors

CIELCh(75, 37.896, 209.560)

Have a look what the booklet for
CIELCh(75, 37.896, 209.560)
contains.

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Color

CIELCh(75, 37.979, 209.303)

Conversions

Conversions Part 1

Format	Color
Hex	32CBDA
RGB	50, 203, 218
RGB Percent	20%, 80%, 85%
CMY	0.8023, 0.2053, 0.1465
CMYK	0.77, 0.07, 0.00, 0.15
HSL	185°, 69%, 53%
HSV	185°, 77%, 85%
XYZ	35.2172, 48.2781, 73.5507
YIQ	158.9630, -96.0030, -27.7710

Conversions

Conversions Part 2

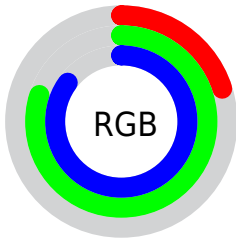
Format	Color
RYB	50, 130, 218
Decimal	3328986
CIELab	75.00, -33.12, -18.59
CIELCh	75, 37.979, 209.303
Yxy	48.2781, 0.2242, 0.3074
Android (android.graphics.Color)	4281519066 (0xFF32CBDA)
YUV	158.9630, 29.1052, -95.5606
Hunter-Lab	69.4824, -31.1216, -14.1237

Details

The CIELCh color **75, 37.979, 209.303** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **51, 72.367, 36.330**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.689, 197.109**, and **56, 32.161, 212.432** is the 20% darker color. If you saturate the color by 10%, you get **74, 39.311, 210.424**, and if you desaturate by 10%, it is **76, 35.720, 208.460**.

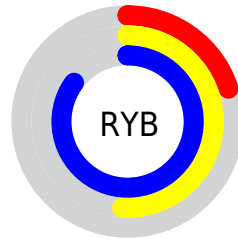
Distribution



Red (20%)

Green (80%)

Blue (85%)



Red (20%)

Yellow (51%)

Blue (85%)

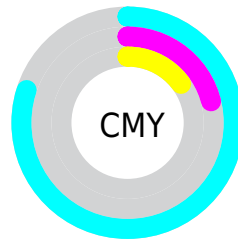


Cyan (77%)

Magenta (7%)

Yellow (0%)

Black (15%)



Cyan (80%)


Magenta (21%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 37.979, 209.303 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 75, 37.979, 209.303 by changing the saturation by 10% instead.


 75, 37.979,
209.303


 75, 37.979,
209.303


 100, 37.979,
209.303


 65, 37.979,
209.303


 95, 37.979,
209.303

 55, 37.979,
209.303

 45, 37.979,
209.303

 35, 37.979,
209.303

 25, 37.979,
209.303

 15, 37.979,
209.303

 5, 37.979, 209.303

■ 0, 37.979, 209.303

■ 75, 37.979,
209.303

■ 75, 37.979,
209.303

■ 74, 39.311,
210.424

■ 76, 35.720,
208.460

■ 73, 39.823,
211.845

■ 77, 32.518,
207.866

■ 73, 39.902,
212.329

■ 79, 28.410,
207.485

■ 80, 23.477,
207.283

■ 82, 17.825,
207.233

■ 84, 11.571,
207.313

■ 85, 4.832, 207.543

■ 88, 2.286, 27.395

■ 90, 9.686, 27.885

Harmonies

Complementary

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



75, 37.979, 209.303



51, 72.367, 36.330

Rectangle

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



75, 37.979, 209.303



75, 37.979, 259.303



75, 37.979, 29.303



75, 37.979, 79.303

Sweetspot

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



75, 37.978, 209.302



95, 17.601, 207.248



77, 92.428, 139.077



50, 12.023, 207.233



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 37.978, 209.302



85, 44.746, 211.240



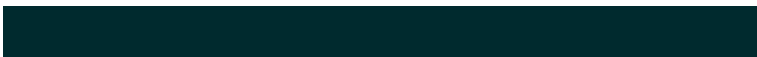
51, 57.516, 282.351



45, 4.009, 207.461



59, 33.719, 212.057



15, 13.738, 209.087

Inverse Universe

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



53, 88.471, 331.186



60, 106.607, 331.895



67, 61.713, 72.946



43, 7.525, 327.479



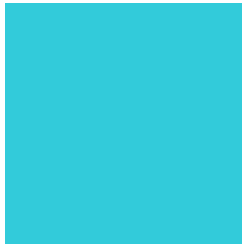
40, 80.695, 332.138



7, 32.458, 331.338

Previews

White Background



This preview shows how the CIE LCh color 75, 37.979, 209.303 looks on a white background.

Color Contrast Check

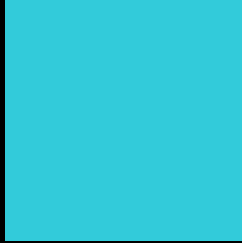
Large Text (above 18pt) WCAG AA × Fail

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 75, 37.979, 209.303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

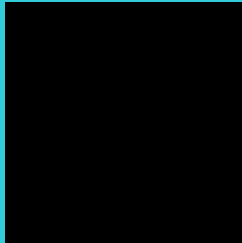
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 37.979, 209.303

Background



This preview shows how black text looks on a background with the CIELCh color 75, 37.979, 209.303.

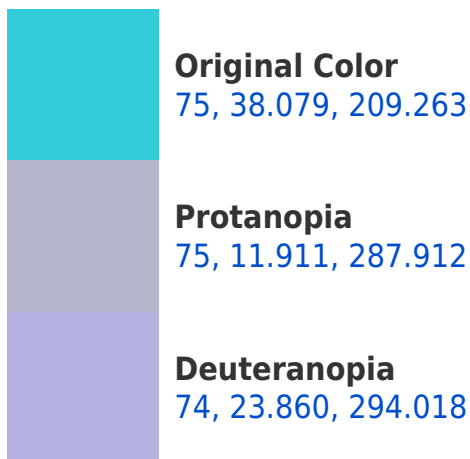


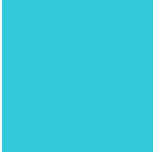
This preview shows how white text looks on a background with the CIELCh color 75, 37.979, 209.303.

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
75, 37.777, 211.122

Trichromacy



Original Color
75, 38.079, 209.263



Protanomaly
74, 20.635, 228.365



Deuteranomaly
74, 23.977, 247.163

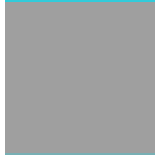


Tritanomaly
75, 37.777, 211.122

Monochromacy



Original Color
75, 38.079, 209.263



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 18.622, 206.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 37.979, 209.303 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, 203, 218)` looks like.

```
.text, #text, p{  
    color:rgb(50, 203, 218)  
}
```

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, 203, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 203, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 37.979, 209.303 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, 203, 218) }
```

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

```
.border{ border-color:rgb(50, 203, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 203, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 203, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 203, 218);  
box-shadow:4px 4px 4px 4px rgb(50, 203,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 37.979, 209.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 203, 218) }
```

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

```
.background{ background-color: rgb(50, 203,  
218) }
```

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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