

Converting Colors

CIELCh(74, 38.960, 210.613)

Have a look what the booklet for
CIELCh(74, 38.960, 210.613)
contains.

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Color

CIELCh(74, 38.931, 210.630)

Conversions

Conversions Part 1

Format	Color
Hex	21C8D9
RGB	33, 200, 217
RGB Percent	13%, 78%, 85%
CMY	0.8694, 0.2152, 0.1486
CMYK	0.85, 0.08, 0.00, 0.15
HSL	186°, 73%, 49%
HSV	186°, 85%, 85%
XYZ	33.8553, 46.7039, 72.9524
YIQ	152.0050, -104.9890, -30.1170

Conversions

Conversions Part 2

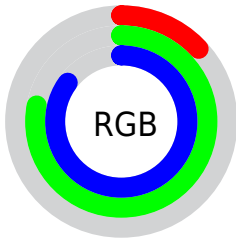
Format	Color
RYB	33, 121, 217
Decimal	2214105
CIELab	74.00, -33.50, -19.84
CIELCh	74, 38.931, 210.630
Yxy	46.7039, 0.2205, 0.3042
Android (android.graphics.Color)	4280404185 (0xFF21C8D9)
YUV	152.0050, 32.0425, -104.3674
Hunter-Lab	68.3403, -31.1678, -15.4532

Details

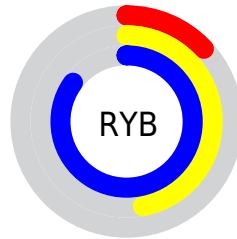
The CIELCh color **74, 38.931, 210.630** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **48, 79.933, 38.285**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **55, 31.698, 214.982** is the 20% darker color. If you saturate the color by 10%, you get **73, 39.600, 212.039**, and if you desaturate by 10%, it is **75, 37.407, 209.528**.

Distribution



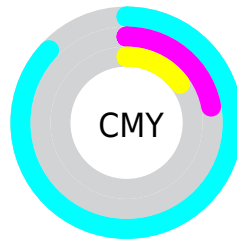
- Red (13%)
- Green (78%)
- Blue (85%)



- Red (13%)
- Yellow (47%)
- Blue (85%)



- Cyan (85%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)




- Cyan (87%)
- Magenta (22%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 38.931, 210.630 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 74, 38.931, 210.630 by changing the saturation by 10% instead.

 74, 38.931,
210.630

 74, 38.931,
210.630


 100, 38.931,
210.630


 64, 38.931,
210.630


 94, 38.931,
210.630

 54, 38.931,
210.630

 44, 38.931,
210.630

 34, 38.931,
210.630

 24, 38.931,
210.630

 14, 38.931,
210.630

 4, 38.931, 210.630

0, 38.931, 210.630

74, 38.931,
210.630

74, 38.931,
210.630

73, 39.600,
212.039

75, 37.407,
209.528

73, 39.735,
212.886

76, 34.953,
208.708

77, 31.562,
208.135

79, 27.284,
207.772

80, 22.207,
207.586

82, 16.440,
207.549

■ 84, 10.099,
207.643

■ 86, 3.298, 207.928

■ 88, 3.857, 27.832

Harmonies

Complementary

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



74, 38.931, 210.630



48, 79.933, 38.285

Rectangle

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



74, 38.931, 210.630



74, 38.931, 260.630



74, 38.931, 30.630



74, 38.931, 80.630

Sweetspot

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



74, 38.930, 210.629



94, 18.948, 207.548



76, 97.788, 138.097



50, 12.756, 207.548



0, 0.000, 0.000



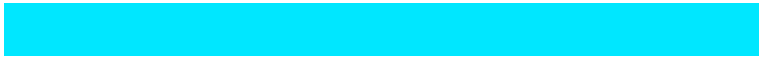
53, 0.007, 296.813

Same Dimension

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



74, 38.930, 210.629



84, 44.834, 213.055



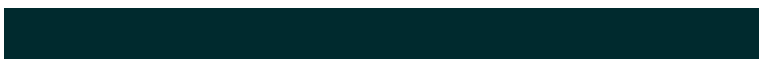
48, 63.546, 285.451



45, 4.000, 207.749



59, 33.639, 212.607



15, 13.707, 209.526

Inverse Universe

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



52, 91.950, 331.656



59, 107.326, 332.382



65, 66.854, 71.406



43, 7.510, 327.563



40, 80.519, 332.272



7, 32.394, 331.445

Previews

White Background



This preview shows how the CIELCh color 74, 38.931, 210.630 looks on a white background.

Color Contrast Check

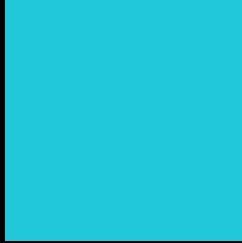
Large Text (above 18pt) WCAG AA × Fail

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 74, 38.931, 210.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

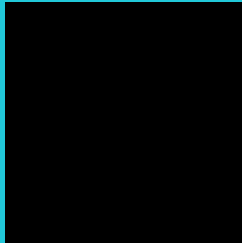
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 38.931, 210.630

Background



This preview shows how black text looks on a background with the CIELCh color 74, 38.931, 210.630.



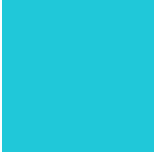
This preview shows how white text looks on a background with the CIELCh color 74, 38.931, 210.630.

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
74, 38.996, 210.603

Trichromacy



Original Color
74, 38.931, 210.630



Protanomaly
73, 22.242, 229.268



Deuteranomaly
72, 25.764, 246.499



Tritanomaly
74, 38.996, 210.603

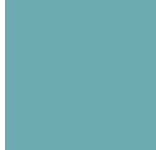
Monochromacy



Original Color
74, 38.931, 210.630



Achromatopsia
63, 0.008, 296.813



Achromatomaly
66, 20.094, 209.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 38.931, 210.630 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(33, 200, 217)` looks like.

```
.text, #text, p{  
    color:rgb(33, 200, 217)  
}
```

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(33, 200, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 200, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 38.931, 210.630 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(33, 200, 217) }
```

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

```
.border{ border-color:rgb(33, 200, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 200, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 200, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 200, 217);  
box-shadow:4px 4px 4px 4px rgb(33, 200,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 38.931, 210.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 200, 217) }
```

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

```
.background{ background-color: rgb(33, 200,  
217) }
```

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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