

Converting Colors

CIELCh(73, 38.465, 209.989)

Have a look what the booklet for
CIELCh(73, 38.465, 209.989)
contains.

CIELCh(73, 38.465, 209.989)	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(73, 38.465, 209.989)

Conversions

Conversions Part 1

Format	Color
Hex	21C5D5
RGB	33, 197, 213
RGB Percent	13%, 77%, 84%
CMY	0.8687, 0.2267, 0.1639
CMYK	0.84, 0.08, 0.00, 0.16
HSL	185°, 73%, 48%
HSV	185°, 84%, 84%
XYZ	32.6865, 45.1644, 70.0735
YIQ	149.7880, -102.8800, -29.7920

Conversions

Conversions Part 2

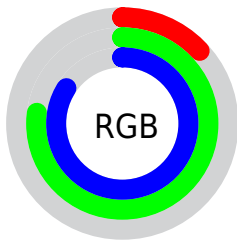
Format	Color
R_{YB}	33, 119, 213
Decimal	2213333
CIE _{Lab}	73.00, -33.32, -19.23
CIE _{LCh}	73, 38.465, 209.989
Yxy	45.1644, 0.2210, 0.3053
Android (android.graphics.Color)	4280403413 (0xFF21C5D5)
YUV	149.7880, 31.1635, -102.4231
Hunter-Lab	67.2044, -30.7900, -14.7781

Details

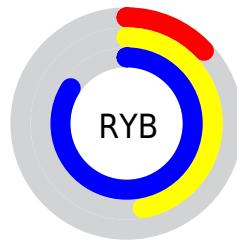
The CIELCh color **73, 38.465, 209.989** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **48, 78.527, 38.061**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 39.134, 197.787**, and **54, 31.363, 212.957** is the 20% darker color. If you saturate the color by 10%, you get **72, 39.162, 211.318**, and if you desaturate by 10%, it is **74, 36.918, 208.954**.

Distribution



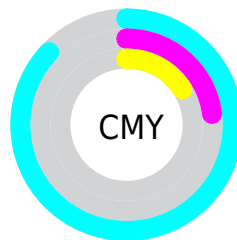
- Red (13%)
- Green (77%)
- Blue (84%)



- Red (13%)
- Yellow (47%)
- Blue (84%)



- Cyan (84%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)





- Cyan (87%)
- Magenta (23%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 38.465, 209.989 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 73, 38.465, 209.989 by changing the saturation by 10% instead.


 73, 38.465,
209.989


 73, 38.465,
209.989


 100, 38.465,
209.989


 63, 38.465,
209.989


 93, 38.465,
209.989

 53, 38.465,
209.989

 43, 38.465,
209.989

 33, 38.465,
209.989

 23, 38.465,
209.989

 13, 38.465,
209.989

 3, 38.465, 209.989

■ 0, 38.465, 209.989

■ 73, 38.465,
209.989

■ 73, 38.465,
209.989

■ 72, 39.162,
211.318

■ 74, 36.918,
208.954

■ 72, 39.313,
212.177

■ 75, 34.451,
208.190

■ 76, 31.061,
207.662

■ 77, 26.799,
207.337

■ 79, 21.752,
207.182

■ 81, 16.027,
207.170

■ 82, 9.741, 207.286

■ 84, 3.005, 207.603

■ 87, 4.077, 27.518

Harmonies

Complementary

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



73, 38.465, 209.989



48, 78.527, 38.061

Rectangle

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



73, 38.465, 209.989



73, 38.465, 259.989



73, 38.465, 29.989



73, 38.465, 79.989

Sweetspot

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



73, 38.464, 209.988



94, 19.005, 207.166



75, 96.173, 138.152



50, 12.794, 207.159



0, 0.000, 0.000



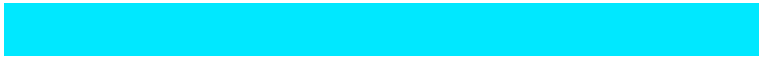
53, 0.007, 296.813

Same Dimension

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



73, 38.464, 209.988



85, 44.965, 212.358



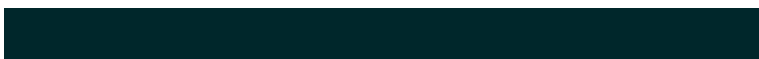
47, 62.321, 285.264



44, 3.935, 207.395



59, 33.373, 211.911



14, 13.289, 208.797

Inverse Universe

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



51, 90.745, 331.491



59, 107.622, 332.212



64, 65.668, 71.505



42, 7.384, 327.458



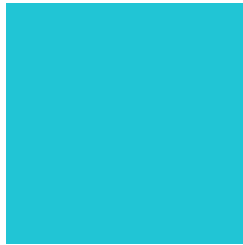
40, 79.862, 332.102



6, 30.881, 331.152

Previews

White Background



This preview shows how the CIELCh color 73, 38.465, 209.989 looks on a white background.

Color Contrast Check

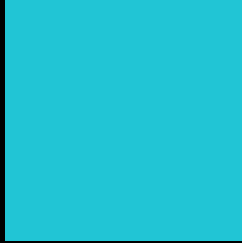
Large Text (above 18pt) WCAG AA × Fail

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 73, 38.465, 209.989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

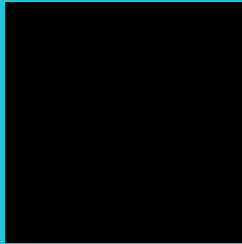
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 38.465, 209.989

Background



This preview shows how black text looks on a background with the CIELCh color 73, 38.465, 209.989.



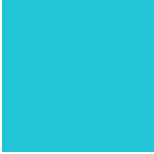
This preview shows how white text looks on a background with the CIELCh color 73, 38.465, 209.989.

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
73, 38.397, 210.018

Trichromacy



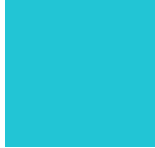
Original Color
73, 38.465, 209.989



Protanomaly
71, 22.024, 229.721



Deuteranomaly
71, 25.098, 246.515



Tritanomaly
73, 38.397, 210.018

Monochromacy



Original Color
73, 38.465, 209.989



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 19.807, 207.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 38.465, 209.989 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, 197, 213)` looks like.

```
.text, #text, p{  
    color:rgb(33, 197, 213)  
}
```

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, 197, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 197, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 38.465, 209.989 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, 197, 213) }
```

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

```
.border{ border-color:rgb(33, 197, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 197, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 197, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 197, 213);  
box-shadow:4px 4px 4px 4px rgb(33, 197,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 38.465, 209.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 197, 213) }
```

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

```
.background{ background-color: rgb(33, 197,  
213) }
```

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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