

Converting Colors

CIELCh(70, 36.867, 213.297)

Have a look what the booklet for
CIELCh(70, 36.867, 213.297)
contains.

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Color

CIELCh(70, 36.912, 213.435)

Conversions

Conversions Part 1

Format	Color
Hex	22BCCF
RGB	34, 188, 207
RGB Percent	13%, 74%, 81%
CMY	0.8677, 0.2632, 0.1887
CMYK	0.84, 0.09, 0.00, 0.19
HSL	187°, 72%, 47%
HSV	187°, 84%, 81%
XYZ	29.8558, 40.7494, 65.2456
YIQ	144.1200, -97.8830, -26.7390

Conversions

Conversions Part 2

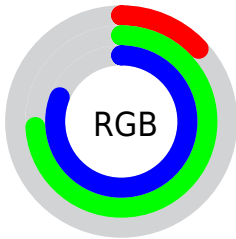
Format	Color
RYB	34, 115, 207
Decimal	2276559
CIELab	70.00, -30.80, -20.34
CIElCh	70, 36.912, 213.435
Yxy	40.7494, 0.2198, 0.3000
Android (android.graphics.Color)	4280466639 (0xFF22BCCF)
YUV	144.1200, 30.9998, -96.5752
Hunter-Lab	63.8353, -28.2271, -15.9152

Details

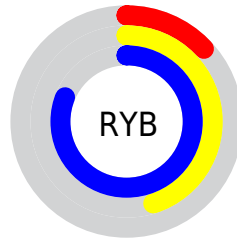
The CIELCh color **70, 36.912, 213.435** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **47, 75.397, 38.647**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 37.012, 205.325**, and **51, 30.051, 218.787** is the 20% darker color. If you saturate the color by 10%, you get **69, 37.652, 215.124**, and if you desaturate by 10%, it is **71, 35.354, 212.106**.

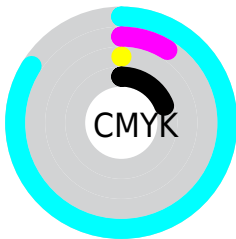
Distribution



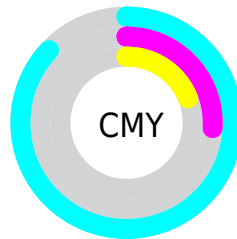
- Red (13%)
- Green (74%)
- Blue (81%)



- Red (13%)
- Yellow (45%)
- Blue (81%)



- Cyan (84%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)





- Cyan (87%)
- Magenta (26%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 36.912, 213.435 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, 36.912, 213.435 by changing the saturation by 10% instead.


 70, 36.912,
213.435


 70, 36.912,
213.435


 100, 36.912,
213.435


 60, 36.912,
213.435


 90, 36.912,
213.435

 50, 36.912,
213.435

 40, 36.912,
213.435

 30, 36.912,
213.435

 20, 36.912,
213.435

 10, 36.912,
213.435

 0, 36.912, 213.435

■ 70, 36.912,
213.435

■ 70, 36.912,
213.435

■ 69, 37.652,
215.124

■ 71, 35.354,
212.106

■ 69, 37.842,
216.338

■ 72, 32.914,
211.103

■ 73, 29.593,
210.381

■ 75, 25.443,
209.896

■ 77, 20.551,
209.608

■ 78, 15.020,
209.484

■ 80, 8.960, 209.503

■ 82, 2.479, 209.765

Harmonies

Complementary

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



70, 36.912, 213.435



47, 75.397, 38.647

Rectangle

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



70, 36.912, 213.435



70, 36.912, 263.435



70, 36.912, 33.435



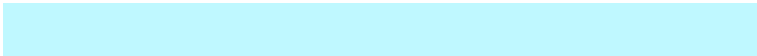
70, 36.912, 83.435

Sweetspot

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



70, 36.911, 213.434



94, 18.675, 209.494



73, 92.794, 138.585



49, 12.573, 209.529



0, 0.000, 0.000



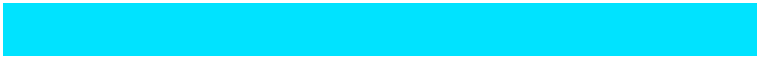
53, 0.007, 296.813

Same Dimension

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



70, 36.911, 213.434



83, 44.266, 216.613



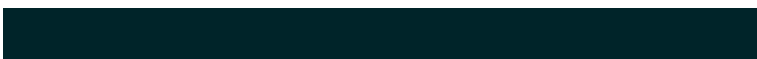
45, 62.103, 286.299



43, 3.791, 209.561



57, 32.489, 216.013



12, 12.628, 211.781

Inverse Universe

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



50, 87.133, 332.331



59, 105.859, 333.255



63, 63.834, 73.166



41, 7.135, 328.089



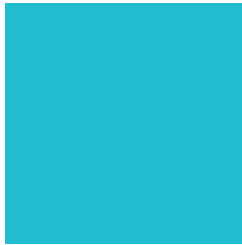
39, 77.726, 333.108



5, 28.601, 331.723

Previews

White Background



This preview shows how the CIELCh color 70, 36.912, 213.435 looks on a white background.

Color Contrast Check

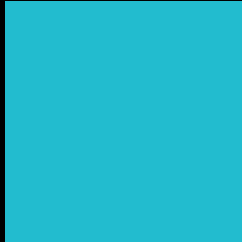
Large Text (above 18pt) WCAG AA × Fail

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, 36.912, 213.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

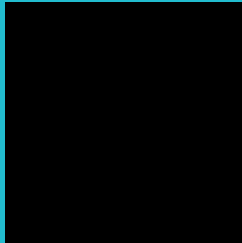
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 36.912, 213.435

Background



This preview shows how black text looks on a background with the CIELCh color 70, 36.912, 213.435.



This preview shows how white text looks on a background with the CIELCh color 70, 36.912, 213.435.

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

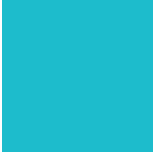
70, 36.912, 213.435

Protanopia

69, 14.292, 287.367

Deuteranopia

69, 25.260, 291.906

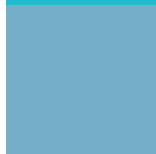


Tritanopia
70, 37.264, 210.549

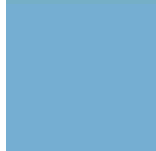
Trichromacy



Original Color
70, 36.912, 213.435



Protanomaly
68, 22.104, 235.207



Deuteranomaly
69, 25.716, 249.301

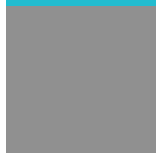


Tritanomaly
70, 37.120, 211.513

Monochromacy



Original Color
70, 36.912, 213.435



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 19.019, 209.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 36.912, 213.435 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(34, 188, 207)` looks like.

```
.text, #text, p{  
    color:rgb(34, 188, 207)  
}
```

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(34, 188, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 188, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 36.912, 213.435 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(34, 188, 207) }
```

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

```
.border{ border-color:rgb(34, 188, 207) }
```

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

Here you see how a box with a 4 pixel rgb(34, 188, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 188, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 188, 207);  
box-shadow:4px 4px 4px 4px rgb(34, 188,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 36.912, 213.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 188, 207) }
```

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

```
.background{ background-color: rgb(34, 188,  
207) }
```

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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