

Converting Colors

CIELCh(67, 37.275, 217.909)

Have a look what the booklet for
CIELCh(67, 37.275, 217.909)
contains.

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Color

CIELCh(67, 37.122, 218.076)

Conversions

Conversions Part 1

Format	Color
Hex	01B3CB
RGB	1, 179, 203
RGB Percent	0%, 70%, 80%
CMY	0.9964, 0.2974, 0.2033
CMYK	1.00, 0.12, 0.00, 0.20
HSL	187°, 99%, 40%
HSV	187°, 100%, 80%
XYZ	26.9637, 36.6320, 62.2543
YIQ	128.5140, -113.7920, -30.2720

Conversions

Conversions Part 2

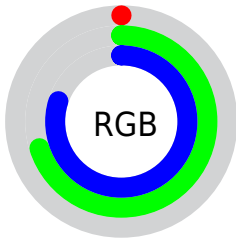
Format	Color
R_{YB}	1, 96, 203
Decimal	111563
CIE _{Lab}	67.00, -29.22, -22.89
CIE _{LCh}	67, 37.122, 218.076
Yxy	36.6320, 0.2143, 0.2911
Android (android.graphics.Color)	4278301643 (0xFF01B3CB)
YUV	128.5140, 36.7216, -111.8298
Hunter-Lab	60.5244, -26.3957, -18.6176

Details

The CIELCh color **67, 37.122, 218.076** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **43, 85.899, 41.315**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 36.765, 213.991**, and **48, 29.188, 225.048** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.136, 218.170**, and if you desaturate by 10%, it is **68, 36.709, 216.025**.

Distribution



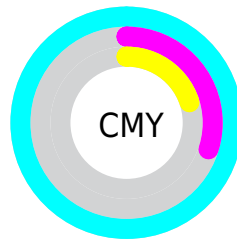
- Red (0%)
- Green (70%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (30%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 37.122, 218.076 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 67, 37.122, 218.076 by changing the saturation by 10% instead.

 67, 37.122,
218.076


 67, 37.122,
218.076


 100, 37.122,
218.076


 57, 37.122,
218.076


 87, 37.122,
218.076

 47, 37.122,
218.076

 97, 37.122,
218.076

 37, 37.122,
218.076

 27, 37.122,
218.076

 17, 37.122,
218.076

 7, 37.122, 218.076

 0, 37.122, 218.076

■ 67, 37.122,
218.076

■ 67, 37.122,
218.076

■ 67, 37.136,
218.170

■ 68, 36.709,
216.025

■ 69, 35.645,
214.335

■ 70, 33.750,
213.022

■ 71, 30.988,
212.038

■ 73, 27.383,
211.335

■ 74, 23.002,
210.866

■ 76, 17.939,
210.591

■ 78, 12.298,

210.477

■ 80, 6.185, 210.518

Harmonies

Complementary

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



67, 37.122, 218.076



43, 85.899, 41.315

Rectangle

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



67, 37.122, 218.076



67, 37.122, 268.076



67, 37.122, 38.076



67, 37.122, 88.076

Sweetspot

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



67, 37.121, 218.075



93, 21.828, 210.608



71, 98.291, 137.082



49, 14.632, 210.710



0, 0.000, 0.000



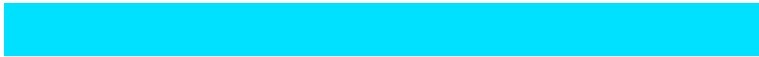
53, 0.007, 296.813

Same Dimension

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



67, 37.121, 218.075



82, 44.033, 218.501



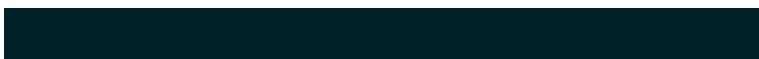
38, 75.986, 293.656



42, 3.688, 210.520



55, 31.953, 217.814



11, 12.098, 212.879

Inverse Universe

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



47, 88.630, 333.613



59, 105.110, 333.721



59, 69.493, 70.825



40, 6.948, 328.367



38, 76.333, 333.551



5, 26.375, 331.762

Previews

White Background



This preview shows how the CIELCh color 67, 37.122, 218.076 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 67, 37.122, 218.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

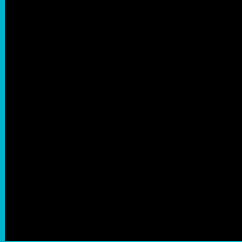
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 37.122, 218.076

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.122, 218.076.

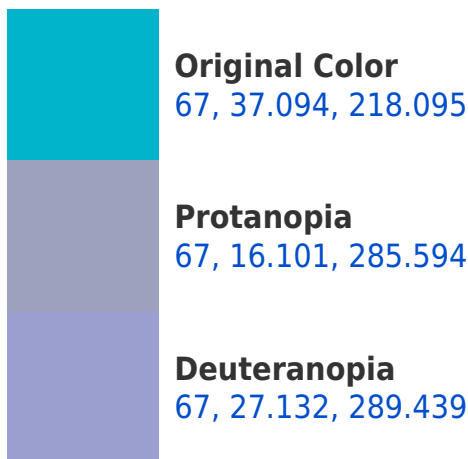


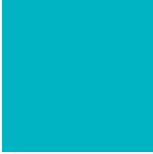
This preview shows how white text looks on a background with the CIELCh color 67, 37.122, 218.076.

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
67, 37.204, 209.718

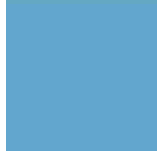
Trichromacy



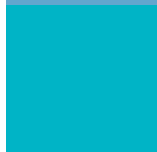
Original Color
67, 37.094, 218.095



Protanomaly
65, 24.928, 235.341



Deuteranomaly
65, 28.934, 249.020

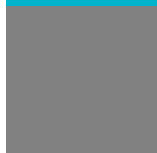


Tritanomaly
67, 37.149, 212.466

Monochromacy



Original Color
67, 37.094, 218.095



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.441, 211.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.122, 218.076 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(1, 179, 203)` looks like.

```
.text, #text, p{  
    color:rgb(1, 179, 203)  
}
```

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(1, 179, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 179, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.122, 218.076 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(1, 179, 203) }
```

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

```
.border{ border-color:rgb(1, 179, 203) }
```

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

Here you see how a box with a 4 pixel rgb(1, 179, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 179, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 179, 203);  
box-shadow:4px 4px 4px 4px rgb(1, 179,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.122, 218.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 179, 203) }
```

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

```
.background{ background-color: rgb(1, 179,  
203) }
```

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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