

Converting Colors

CIELCh(65, 48.572, 213.160)

Have a look what the booklet for
CIELCh(65, 48.572, 213.160)
contains.

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Color

CIELCh(67, 37.173, 218.992)

Conversions

Conversions Part 1

Format	Color
Hex	00B3CC
RGB	0, 179, 204
RGB Percent	0%, 70%, 80%
CMY	0.9984, 0.2978, 0.1997
CMYK	1.00, 0.12, 0.00, 0.20
HSL	187°, 100%, 40%
HSV	187°, 100%, 80%
XYZ	27.0450, 36.6320, 62.8144
YIQ	128.3290, -114.7090, -30.1730

Conversions

Conversions Part 2

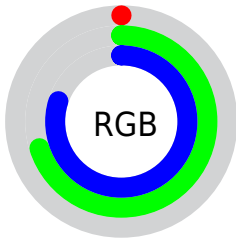
Format	Color
RYB	0, 95, 204
Decimal	46028
CIELab	67.00, -28.89, -23.39
CIELCh	67, 37.173, 218.992
Yxy	36.6320, 0.2138, 0.2896
Android (android.graphics.Color)	4278236108 (0xFF00B3CC)
YUV	128.3290, 37.3058, -112.5445
Hunter-Lab	60.5244, -26.1557, -19.1663

Details

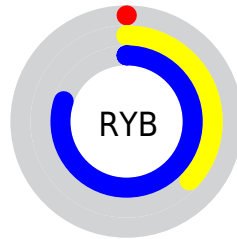
The CIELCh color **67, 37.173, 218.992** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **44, 86.256, 41.434**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 36.765, 213.991**, and **48, 29.313, 226.268** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.179, 219.035**, and if you desaturate by 10%, it is **68, 36.760, 216.848**.

Distribution



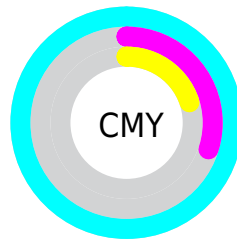
- Red (0%)
- Green (70%)
- Blue (80%)



- Red (0%)
- Yellow (37%)
- 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, 37.173, 218.992 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, 37.173, 218.992 by changing the saturation by 10% instead.

 67, 37.173,
218.992


 67, 37.173,
218.992


 100, 37.173,
218.992


 57, 37.173,
218.992


 87, 37.173,
218.992

 47, 37.173,
218.992

 97, 37.173,
218.992

 37, 37.173,
218.992

 27, 37.173,
218.992

 17, 37.173,
218.992

 7, 37.173, 218.992

 0, 37.173, 218.992

■ 67, 37.173,
218.992

■ 67, 37.173,
218.992

■ 67, 37.179,
219.035

■ 68, 36.760,
216.848

■ 69, 35.709,
215.074

■ 70, 33.831,
213.690

■ 71, 31.087,
212.648

■ 73, 27.499,
211.898

■ 74, 23.133,
211.390

■ 76, 18.082,
211.083

■ 78, 12.452,

210.942

■ 80, 6.348, 210.957

Harmonies

Complementary

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



67, 37.173, 218.992



44, 86.256, 41.434

Rectangle

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



67, 37.173, 218.992



67, 37.173, 268.992



67, 37.173, 38.992



67, 37.173, 88.992

Sweetspot

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



67, 37.172, 218.991



93, 21.759, 211.096



72, 98.709, 137.058



49, 14.586, 211.209



0, 0.000, 0.000



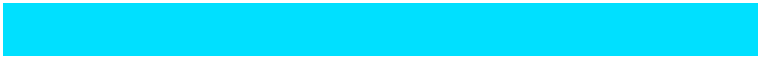
53, 0.007, 296.813

Same Dimension

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



67, 37.172, 218.991



82, 43.941, 219.372



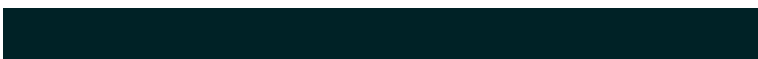
38, 76.473, 293.757



42, 3.676, 210.962



55, 31.883, 218.656



11, 12.067, 213.518

Inverse Universe

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



47, 88.666, 333.841



59, 104.770, 333.937



60, 69.811, 70.751



40, 6.928, 328.496



38, 76.093, 333.759



5, 26.286, 331.929

Previews

White Background



This preview shows how the CIE LCh color 67, 37.173, 218.992 looks on a white background.

Color Contrast Check

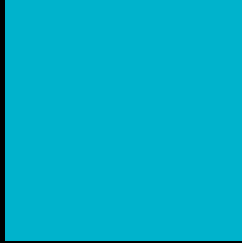
Large Text (above 18pt) WCAG AA × Fail

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, 37.173, 218.992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

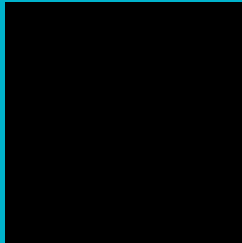
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 37.173, 218.992

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.173, 218.992.



This preview shows how white text looks on a background with the CIELCh color 67, 37.173, 218.992.

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](#).

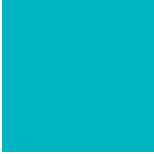
Dichromacy



Original Color
67, 37.173, 218.992

Protanopia
67, 16.650, 285.871

Deuteranopia
67, 27.696, 288.900



Tritanopia
67, 37.204, 209.718

Trichromacy



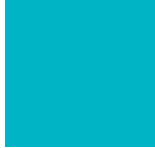
Original Color
67, 37.173, 218.992



Protanomaly
65, 25.373, 236.174



Deuteranomaly
65, 29.293, 249.909



Tritanomaly
67, 37.149, 212.466

Monochromacy



Original Color
67, 37.173, 218.992



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, 37.173, 218.992 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(0, 179, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 204)  
}
```

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(0, 179, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.173, 218.992 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(0, 179, 204) }
```

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

```
.border{ border-color:rgb(0, 179, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 179, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.173, 218.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 204) }
```

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

```
.background{ background-color: rgb(0, 179,  
204) }
```

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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