

Converting Colors

CIELCh(67, 37.414, 231.264)

Have a look what the booklet for
CIELCh(67, 37.414, 231.264)
contains.

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Color

CIELCh(67, 37.477, 231.802)

Conversions

Conversions Part 1

Format	Color
Hex	1BB1D7
RGB	27, 177, 215
RGB Percent	11%, 69%, 84%
CMY	0.8929, 0.3055, 0.1565
CMYK	0.87, 0.18, 0.00, 0.16
HSL	192°, 77%, 48%
HSV	192°, 87%, 84%
XYZ	28.4801, 36.6320, 69.9293
YIQ	136.4820, -101.5980, -19.9820

Conversions

Conversions Part 2

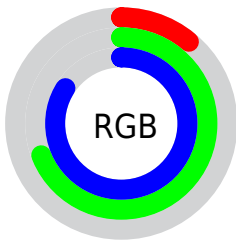
Format	Color
R _Y B	27, 110, 215
Decimal	1814999
CIE Lab	67.00, -23.18, -29.45
CIE LCh	67, 37.477, 231.802
Yxy	36.6320, 0.2109, 0.2713
Android (android.graphics.Color)	4280005079 (0xFF1BB1D7)
YUV	136.4820, 38.7094, -96.0157
Hunter-Lab	60.5244, -21.9232, -26.1360

Details

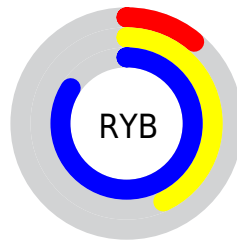
The CIELCh color **67, 37.477, 231.802** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **50, 77.882, 43.088**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 35.268, 216.671**, and **48, 31.459, 240.454** is the 20% darker color. If you saturate the color by 10%, you get **66, 38.487, 235.487**, and if you desaturate by 10%, it is **69, 35.864, 228.747**.

Distribution



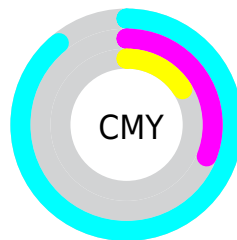
- Red (11%)
- Green (69%)
- Blue (84%)



- Red (11%)
- Yellow (43%)
- Blue (84%)



- Cyan (87%)
- Magenta (18%)
- Yellow (0%)
- Black (16%)



- Cyan (89%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 37.477, 231.802 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, 37.477, 231.802 by changing the saturation by 10% instead.

■ 67, 37.477,
231.802

■ 67, 37.477,
231.802

■ 100, 37.477,
231.802

■ 57, 37.477,
231.802

■ 87, 37.477,
231.802

■ 47, 37.477,
231.802

■ 97, 37.477,
231.802

■ 37, 37.477,
231.802

■ 27, 37.477,
231.802

■ 17, 37.477,
231.802

■ 7, 37.477, 231.802

■ 0, 37.477, 231.802

67, 37.477,
231.802

67, 37.477,
231.802

66, 38.487,
235.487

69, 35.864,
228.747

65, 38.730,
236.522

70, 33.510,
226.299

72, 30.369,
224.382

74, 26.460,
222.910

77, 21.848,
221.803

79, 16.621,
220.990

81, 10.879,
220.417

84, 4.718, 220.077

Harmonies

Complementary

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



67, 37.477, 231.802



50, 77.882, 43.088

Rectangle

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



67, 37.477, 231.802



67, 37.477, 281.802



67, 37.477, 51.802



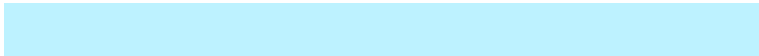
67, 37.477, 101.802

Sweetspot

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



67, 37.476, 231.802



92, 18.235, 220.918



76, 92.743, 140.376



48, 12.207, 221.164



0, 0.000, 0.000



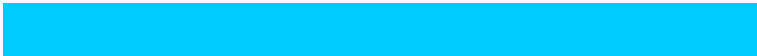
53, 0.007, 296.813

Same Dimension

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



67, 37.476, 231.802



76, 44.086, 236.952



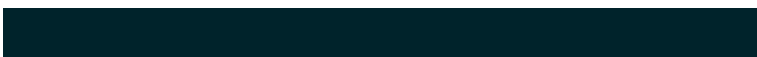
40, 79.046, 294.448



44, 3.632, 220.123



53, 32.565, 235.827



12, 12.648, 227.805

Inverse Universe

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



50, 85.252, 337.061



58, 98.497, 338.546



69, 69.111, 81.270



42, 6.819, 331.168



39, 73.240, 338.229



6, 28.395, 335.986

Previews

White Background



This preview shows how the CIELCh color 67, 37.477, 231.802 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, 37.477, 231.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

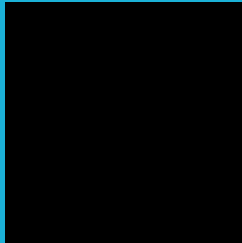
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 37.477, 231.802

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.477, 231.802.

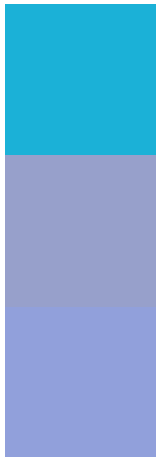


This preview shows how white text looks on a background with the CIELCh color 67, 37.477, 231.802.

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](#).

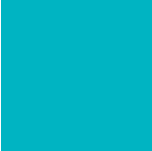
Dichromacy



Original Color
67, 37.477, 231.802

Protanopia
67, 23.908, 285.387

Deuteranopia
67, 32.806, 285.196



Tritanopia
67, 37.239, 208.804

Trichromacy



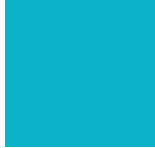
Original Color
67, 37.477, 231.802



Protanomaly
66, 28.149, 252.974



Deuteranomaly
66, 33.160, 259.758



Tritanomaly
67, 36.793, 217.342

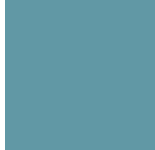
Monochromacy



Original Color
67, 37.477, 231.802



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 19.270, 220.554

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.477, 231.802 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(27, 177, 215)` looks like.

```
.text, #text, p{  
    color:rgb(27, 177, 215)  
}
```

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(27, 177, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 177, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.477, 231.802 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(27, 177, 215) }
```

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

```
.border{ border-color:rgb(27, 177, 215) }
```

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

Here you see how a box with a 4 pixel rgb(27, 177, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 177, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 177, 215);  
box-shadow:4px 4px 4px 4px rgb(27, 177,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.477, 231.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 177, 215) }
```

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

```
.background{ background-color: rgb(27, 177,  
215) }
```

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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