

Converting Colors

CIELCh(60, 108.715, 200.388)

Have a look what the booklet for
CIELCh(60, 108.715, 200.388)
contains.

CIELCh(68, 37.734, 220.440)	3
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Color

CIELCh(68, 37.734, 220.440)

Conversions

Conversions Part 1

Format	Color
Hex	00B6D1
RGB	0, 182, 209
RGB Percent	0%, 71%, 82%
CMY	1.0000, 0.2870, 0.1811
CMYK	1.00, 0.13, 0.00, 0.18
HSL	188°, 100%, 41%
HSV	188°, 100%, 82%
XYZ	28.1663, 37.9720, 66.0496
YIQ	130.6600, -117.1390, -30.1870

Conversions

Conversions Part 2

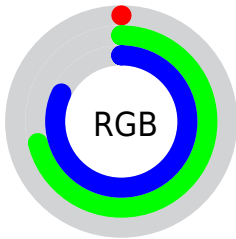
Format	Color
RYB	0, 97, 209
Decimal	46801
CIELab	68.00, -28.72, -24.48
CIELCh	68, 37.734, 220.440
Yxy	37.9720, 0.2131, 0.2873
Android (android.graphics.Color)	4278236881 (0xFF00B6D1)
YUV	130.6600, 38.6216, -114.5888
Hunter-Lab	61.6215, -26.2476, -20.4156

Details

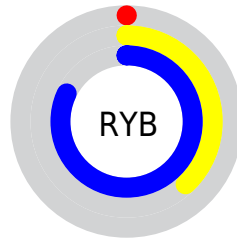
The CIELCh color **68, 37.734, 220.440** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **45, 87.755, 41.569**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 37.112, 211.207**, and **50, 30.020, 228.025** is the 20% darker color. If you saturate the color by 10%, you get **68, 37.709, 220.457**, and if you desaturate by 10%, it is **69, 37.288, 218.159**.

Distribution



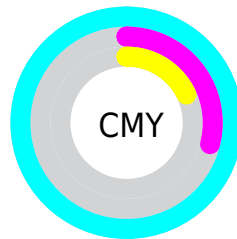
- Red (0%)
- Green (71%)
- Blue (82%)



- Red (0%)
- Yellow (38%)
- Blue (82%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (29%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 37.734, 220.440 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 68, 37.734, 220.440 by changing the saturation by 10% instead.

 68, 37.734,
220.440

 68, 37.734,
220.440

 100, 37.734,
220.440

 58, 37.734,
220.440


 88, 37.734,
220.440

 48, 37.734,
220.440

 98, 37.734,
220.440

 38, 37.734,
220.440

 28, 37.734,
220.440

 18, 37.734,
220.440

 8, 37.734, 220.440

 0, 37.734, 220.440

■ 68, 37.734,
220.440

■ 68, 37.734,
220.440

■ 68, 37.709,
220.457

■ 69, 37.288,
218.159

■ 70, 36.233,
216.250

■ 71, 34.343,
214.756

■ 73, 31.577,
213.624

■ 74, 27.956,
212.800

■ 76, 23.544,
212.231

■ 77, 18.437,
211.874

■ 79, 12.739,

211.691

■ 82, 6.561, 211.670

Harmonies

Complementary

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



68, 37.734, 220.440



45, 87.755, 41.569

Rectangle

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



68, 37.734, 220.440



68, 37.734, 270.440



68, 37.734, 40.440



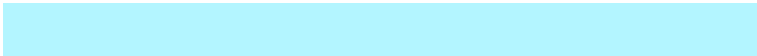
68, 37.734, 90.440

Sweetspot

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



68, 37.709, 220.457



93, 21.652, 211.883



73, 100.532, 137.026



48, 14.515, 212.015



0, 0.000, 0.000



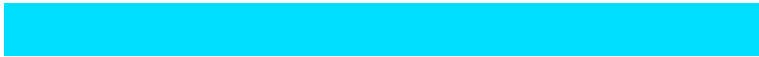
53, 0.007, 296.813

Same Dimension

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



68, 37.709, 220.457



82, 43.813, 220.775



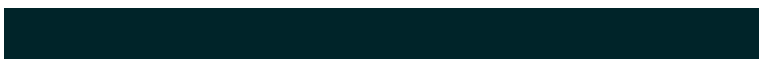
38, 78.093, 293.886



43, 3.732, 211.675



56, 32.142, 220.046



12, 12.471, 214.900

Inverse Universe

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



48, 89.757, 334.206



59, 104.230, 334.286



61, 71.098, 70.649



41, 7.038, 328.705



39, 76.559, 334.104



5, 28.169, 332.514

Previews

White Background



This preview shows how the CIE LCh color 68, 37.734, 220.440 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 68, 37.734, 220.440 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 68, 37.734, 220.440

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.734, 220.440.



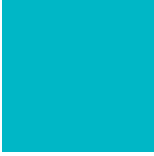
This preview shows how white text looks on a background with the CIELCh color 68, 37.734, 220.440.

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
68, 37.670, 209.509

Trichromacy



Original Color
68, 37.734, 220.440



Protanomaly
66, 26.185, 239.463



Deuteranomaly
66, 29.920, 249.881



Tritanomaly
68, 37.606, 213.118

Monochromacy



Original Color
68, 37.734, 220.440



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 21.737, 212.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.734, 220.440 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, 182, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 209)  
}
```

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, 182, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.734, 220.440 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, 182, 209) }
```

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

```
.border{ border-color:rgb(0, 182, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.734, 220.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 209) }
```

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

```
.background{ background-color: rgb(0, 182,  
209) }
```

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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