

Converting Colors

CIELCh(60, 113.336, 199.246)

Have a look what the booklet for
CIELCh(60, 113.336, 199.246)
contains.

CIELCh(68, 37.761, 218.528)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 37.761, 218.528)

Conversions

Conversions Part 1

Format	Color
Hex	00B6CF
RGB	0, 182, 207
RGB Percent	0%, 71%, 81%
CMY	1.0000, 0.2859, 0.1879
CMYK	1.00, 0.12, 0.00, 0.19
HSL	187°, 100%, 41%
HSV	187°, 100%, 81%
XYZ	27.9585, 37.9720, 64.9382
YIQ	130.4320, -116.4970, -30.8090

Conversions

Conversions Part 2

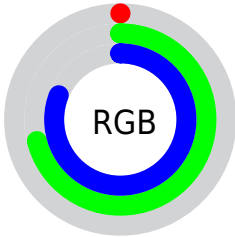
Format	Color
RYB	0, 97, 207
Decimal	46799
CIELab	68.00, -29.54, -23.52
CIELCh	68, 37.761, 218.528
Yxy	37.9720, 0.2136, 0.2902
Android (android.graphics.Color)	4278236879 (0xFF00B6CF)
YUV	130.4320, 37.7480, -114.3889
Hunter-Lab	61.6215, -26.8495, -19.3462

Details

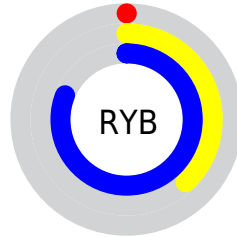
The CIELCh color **68, 37.761, 218.528** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **44, 87.408, 41.416**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 37.112, 211.207**, and **49, 29.749, 225.655** is the 20% darker color. If you saturate the color by 10%, you get **68, 37.627, 218.616**, and if you desaturate by 10%, it is **69, 37.230, 216.506**.

Distribution



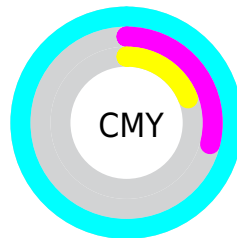
- Red (0%)
- Green (71%)
- Blue (81%)



- Red (0%)
- Yellow (38%)
- Blue (81%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (19%)




- Cyan (100%)
- Magenta (29%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 37.761, 218.528 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, 37.761, 218.528 by changing the saturation by 10% instead.

 68, 37.761,
218.528


 68, 37.761,
218.528


 100, 37.761,
218.528


 58, 37.761,
218.528


 88, 37.761,
218.528

 48, 37.761,
218.528

 98, 37.761,
218.528

 38, 37.761,
218.528

 28, 37.761,
218.528

 18, 37.761,
218.528

 8, 37.761, 218.528

 0, 37.761, 218.528

■ 68, 37.761,
218.528

■ 68, 37.761,
218.528

■ 68, 37.627,
218.616

■ 69, 37.230,
216.506

■ 70, 36.191,
214.756

■ 71, 34.314,
213.393

■ 72, 31.557,
212.367

■ 74, 27.943,
211.630

■ 75, 23.537,
211.134

■ 77, 18.433,
210.836

■ 79, 12.738,

210.704

■ 81, 6.560, 210.726

Harmonies

Complementary

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



68, 37.761, 218.528



44, 87.408, 41.416

Rectangle

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



68, 37.761, 218.528



68, 37.761, 268.528



68, 37.761, 38.528



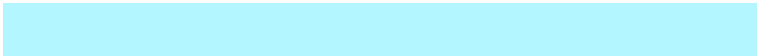
68, 37.761, 88.528

Sweetspot

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



68, 37.627, 218.616



93, 21.794, 210.844



73, 99.889, 137.032



49, 14.609, 210.952



0, 0.000, 0.000



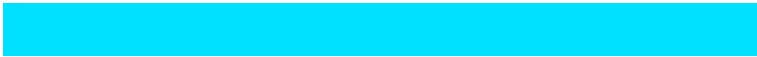
53, 0.007, 296.813

Same Dimension

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



68, 37.627, 218.616



82, 43.988, 218.923



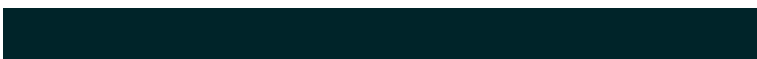
38, 77.561, 293.865



43, 3.757, 210.734



56, 32.278, 218.251



12, 12.536, 213.511

Inverse Universe

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



48, 89.805, 333.750



59, 104.945, 333.825



60, 70.652, 70.668



41, 7.081, 328.431



39, 77.071, 333.659



5, 28.359, 332.161

Previews

White Background



This preview shows how the CIE LCh color 68, 37.761, 218.528 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, 37.761, 218.528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

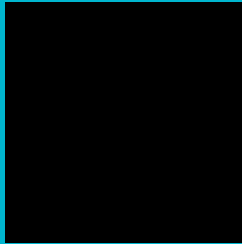
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 37.761, 218.528

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.761, 218.528.



This preview shows how white text looks on a background with the CIELCh color 68, 37.761, 218.528.

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

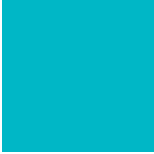
68, 37.614, 218.642

Protanopia

68, 17.135, 287.258

Deuteranopia

68, 27.604, 288.844

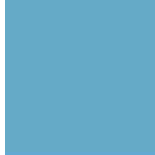


Tritanopia
68, 37.670, 209.509

Trichromacy



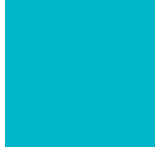
Original Color
68, 37.614, 218.642



Protanomaly
66, 25.635, 237.229



Deuteranomaly
66, 29.562, 249.012



Tritanomaly
68, 37.610, 212.215

Monochromacy



Original Color
68, 37.614, 218.642



Achromatopsia
54, 0.007, 296.813



Achromatomaly
58, 21.696, 211.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.761, 218.528 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 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(0, 182, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.761, 218.528 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, 207) }
```

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

```
.border{ border-color:rgb(0, 182, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.761, 218.528 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, 207) }
```

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

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