

Converting Colors

CIELCh(64, 65.015, 204.965)

Have a look what the booklet for
CIELCh(64, 65.015, 204.965)
contains.

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Color

CIELCh(68, 37.459, 214.114)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 03B7CB |
| RGB | 3, 183, 203 |
| RGB Percent | 1%, 72%, 80% |
| CMY | 0.9892, 0.2843, 0.2058 |
| CMYK | 0.99, 0.10, 0.00, 0.21 |
| HSL | 186°, 97%, 40% |
| HSV | 186°, 99%, 79% |
| XYZ | 27.5887, 37.9720, 62.0737 |
| YIQ | 131.4600, -113.7000, -31.9400 |

Conversions

Conversions Part 2

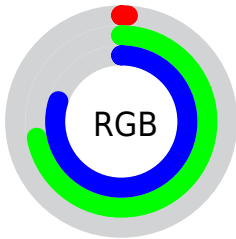
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 3, 98, 203 |
| Decimal | 243659 |
| CIE _{Lab} | 68.00, -31.01, -21.01 |
| CIE _{LCh} | 68, 37.459, 214.114 |
| Yxy | 37.9720, 0.2162, 0.2975 |
| Android (android.graphics.Color) | 4278433739 (0xFF03B7CB) |
| YUV | 131.4600, 35.2692, -112.6594 |
| Hunter-Lab | 61.6215, -27.9207, -16.5901 |

Details

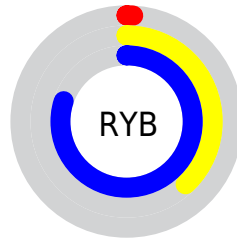
The CIELCh color **68, 37.459, 214.114** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **43, 85.539, 40.817**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 37.302, 210.270**, and **50, 29.431, 219.416** is the 20% darker color. If you saturate the color by 10%, you get **68, 37.498, 214.346**, and if you desaturate by 10%, it is **69, 37.035, 212.465**.

Distribution



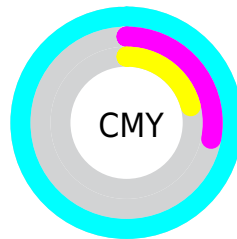
- Red (1%)
- Green (72%)
- Blue (80%)



- Red (1%)
- Yellow (38%)
- Blue (80%)



- Cyan (99%)
- Magenta (10%)
- Yellow (0%)
- Black (21%)





- Cyan (99%)
- Magenta (28%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 37.459, 214.114 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, 37.459, 214.114 by changing the saturation by 10% instead.


 68, 37.459,
214.114


 68, 37.459,
214.114


 100, 37.459,
214.114


 58, 37.459,
214.114


 88, 37.459,
214.114

 48, 37.459,
214.114

 98, 37.459,
214.114

 38, 37.459,
214.114

 28, 37.459,
214.114

 18, 37.459,
214.114

 8, 37.459, 214.114

 0, 37.459, 214.114

68, 37.459,
214.114

68, 37.459,
214.114

68, 37.498,
214.346

69, 37.035,
212.465

70, 35.905,
211.131

71, 33.922,
210.112

72, 31.058,
209.369

73, 27.344,
208.863

74, 22.848,
208.557

76, 17.668,
208.419

78, 11.910,

208.421

■ 80, 5.682, 208.567

Harmonies

Complementary

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



68, 37.459, 214.114



43, 85.539, 40.817

Rectangle

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



68, 37.459, 214.114



68, 37.459, 264.114



68, 37.459, 34.114



68, 37.459, 84.114

Sweetspot

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



68, 37.458, 214.113



93, 22.158, 208.432



71, 98.262, 136.941



49, 14.852, 208.484



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, 37.458, 214.113



84, 44.563, 214.620



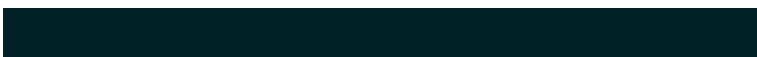
39, 72.859, 292.178



42, 3.745, 208.549



56, 32.347, 214.059



11, 12.257, 210.029

Inverse Universe

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



47, 89.600, 332.633



59, 106.671, 332.766



59, 69.150, 69.510



40, 7.038, 327.792



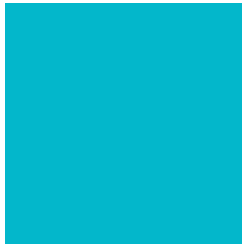
38, 77.436, 332.628



5, 26.780, 331.023

Previews

White Background



This preview shows how the CIELCh color 68, 37.459, 214.114 looks on a white background.

Color Contrast Check

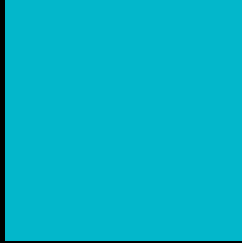
Large Text (above 18pt) WCAG AA × Fail

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, 37.459, 214.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

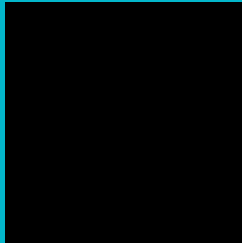
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 37.459, 214.114

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.459, 214.114.



This preview shows how white text looks on a background with the CIELCh color 68, 37.459, 214.114.

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

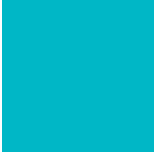
68, 37.525, 214.069

Protanopia

68, 14.920, 287.636

Deuteranopia

67, 25.406, 290.475



Tritanopia
68, 37.670, 209.509

Trichromacy



Original Color
68, 37.525, 214.069



Protanomaly
66, 24.245, 233.171



Deuteranomaly
66, 27.389, 245.440



Tritanomaly
68, 37.592, 211.326

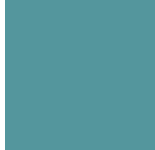
Monochromacy



Original Color
68, 37.525, 214.069



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 21.664, 208.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.459, 214.114 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(3, 183, 203)` looks like.

```
.text, #text, p{  
    color:rgb(3, 183, 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(3, 183, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 183, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.459, 214.114 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(3, 183, 203) }
```

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

```
.border{ border-color:rgb(3, 183, 203) }
```

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

Here you see how a box with a 4 pixel rgb(3, 183, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 183, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 183, 203);  
box-shadow:4px 4px 4px 4px rgb(3, 183,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.459, 214.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 183, 203) }
```

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

```
.background{ background-color: rgb(3, 183,  
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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