

Converting Colors

CIELCh(67, 37.048, 209.789)

Have a look what the booklet for
CIELCh(67, 37.048, 209.789)
contains.

CIELCh(67, 37.050, 209.783)	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(67, 37.050, 209.783)

Conversions

Conversions Part 1

Format	Color
Hex	05B4C3
RGB	5, 180, 195
RGB Percent	2%, 71%, 76%
CMY	0.9795, 0.2940, 0.2352
CMYK	0.97, 0.08, 0.00, 0.24
HSL	185°, 95%, 39%
HSV	185°, 97%, 76%
XYZ	26.2477, 36.6320, 57.3380
YIQ	129.3850, -109.1150, -32.4350

Conversions

Conversions Part 2

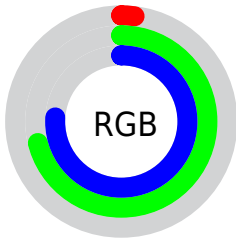
Format	Color
RYB	5, 96, 195
Decimal	373955
CIELab	67.00, -32.16, -18.40
CIELCh	67, 37.050, 209.783
Yxy	36.6320, 0.2183, 0.3047
Android (android.graphics.Color)	4278564035 (0xFF05B4C3)
YUV	129.3850, 32.3482, -109.0856
Hunter-Lab	60.5244, -28.5072, -13.8016

Details

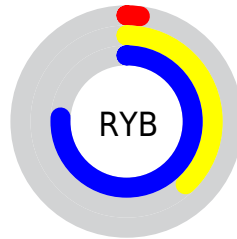
The CIELCh color **67, 37.050, 209.783** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **41, 82.725, 40.211**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 37.051, 210.389**, and **48, 28.781, 213.624** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.133, 210.122**, and if you desaturate by 10%, it is **68, 36.548, 208.584**.

Distribution



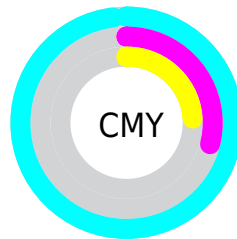
- Red (2%)
- Green (71%)
- Blue (76%)



- Red (2%)
- Yellow (38%)
- Blue (76%)



- Cyan (97%)
- Magenta (8%)
- Yellow (0%)
- Black (24%)





- Cyan (98%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 37.050, 209.783 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, 37.050, 209.783 by changing the saturation by 10% instead.


 67, 37.050,
209.783


 67, 37.050,
209.783


 100, 37.050,
209.783


 57, 37.050,
209.783


 87, 37.050,
209.783

 47, 37.050,
209.783

 97, 37.050,
209.783

 37, 37.050,
209.783

 27, 37.050,
209.783

 17, 37.050,
209.783

 7, 37.050, 209.783

 0, 37.050, 209.783

■ 67, 37.050,
209.783

■ 67, 37.050,
209.783

■ 67, 37.133,
210.122

■ 68, 36.548,
208.584

■ 68, 35.306,
207.640

■ 69, 33.216,
206.942

■ 70, 30.263,
206.462

■ 71, 26.479,
206.172

■ 73, 21.938,
206.045

■ 74, 16.735,
206.056

■ 76, 10.976,

206.185

■ 77, 4.768, 206.452

Harmonies

Complementary

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



67, 37.050, 209.783



41, 82.725, 40.211

Rectangle

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



67, 37.050, 209.783



67, 37.050, 259.783



67, 37.050, 29.783



67, 37.050, 79.783

Sweetspot

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



67, 37.049, 209.782



93, 21.730, 206.043



69, 95.964, 136.671



49, 14.768, 206.034



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, 37.049, 209.782



85, 45.036, 210.359



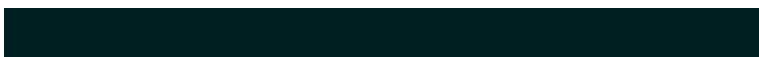
39, 65.512, 289.060



40, 3.657, 206.380



56, 32.196, 209.907



10, 11.400, 206.740

Inverse Universe

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



46, 88.380, 331.563



59, 107.667, 331.722



55, 67.101, 66.890



38, 6.846, 327.151



37, 76.938, 331.611



4, 22.499, 329.131

Previews

White Background



This preview shows how the CIELCh color 67, 37.050, 209.783 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, 37.050, 209.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

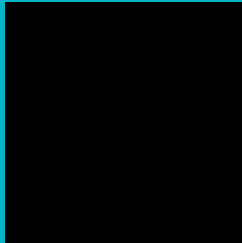
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

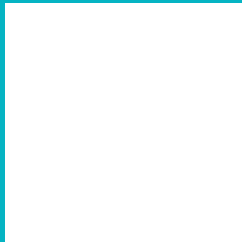
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 37.050, 209.783

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.050, 209.783.

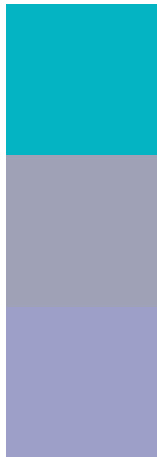


This preview shows how white text looks on a background with the CIELCh color 67, 37.050, 209.783.

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

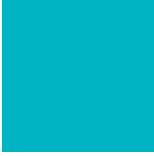
67, 37.050, 209.783

Protanopia

67, 11.631, 287.841

Deuteranopia

67, 22.701, 291.634



Tritanopia
67, 37.204, 209.718

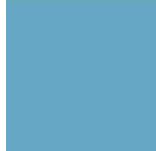
Trichromacy



Original Color
67, 37.050, 209.783



Protanomaly
65, 22.585, 226.027



Deuteranomaly
65, 25.476, 241.091



Tritanomaly
67, 37.142, 209.744

Monochromacy



Original Color
67, 37.050, 209.783



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.165, 205.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.050, 209.783 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(5, 180, 195)` looks like.

```
.text, #text, p{  
    color:rgb(5, 180, 195)  
}
```

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(5, 180, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 180, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.050, 209.783 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(5, 180, 195) }
```

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

```
.border{ border-color:rgb(5, 180, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 180, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 180, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 180, 195);  
box-shadow:4px 4px 4px 4px rgb(5, 180,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.050, 209.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 180, 195) }
```

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

```
.background{ background-color: rgb(5, 180,  
195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor