

Converting Colors

CIELCh(67, 37.295, 206.667)

Have a look what the booklet for
CIELCh(67, 37.295, 206.667)
contains.

CIELCh(67, 37.209, 207.027)	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, 37.209, 207.027)

Conversions

Conversions Part 1

Format	Color
Hex	06B4C0
RGB	6, 180, 192
RGB Percent	2%, 71%, 75%
CMY	0.9777, 0.2928, 0.2458
CMYK	0.97, 0.06, 0.00, 0.25
HSL	184°, 94%, 39%
HSV	184°, 97%, 75%
XYZ	26.0092, 36.6320, 55.7602
YIQ	129.3420, -107.5560, -33.1560

Conversions

Conversions Part 2

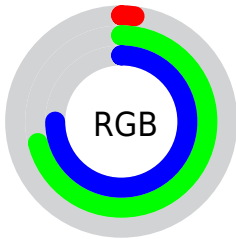
Format	Color
RYB	6, 96, 192
Decimal	439488
CIELab	67.00, -33.15, -16.91
CIELCh	67, 37.209, 207.027
Yxy	36.6320, 0.2197, 0.3094
Android (android.graphics.Color)	4278629568 (0xFF06B4C0)
YUV	129.3420, 30.8904, -108.1709
Hunter-Lab	60.5244, -29.2107, -12.2560

Details

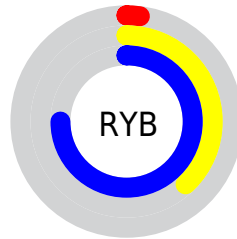
The CIELCh color **67, 37.209, 207.027** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **41, 81.952, 39.920**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 37.096, 206.982**, and **48, 28.794, 211.100** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.309, 207.317**, and if you desaturate by 10%, it is **68, 36.667, 206.103**.

Distribution



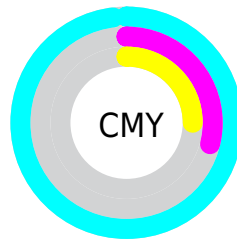
- Red (2%)
- Green (71%)
- Blue (75%)



- Red (2%)
- Yellow (38%)
- Blue (75%)



- Cyan (97%)
- Magenta (6%)
- Yellow (0%)
- Black (25%)





- Cyan (98%)
- Magenta (29%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 37.209, 207.027 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, 37.209, 207.027 by changing the saturation by 10% instead.


 67, 37.209,
207.027


 67, 37.209,
207.027


 100, 37.209,
207.027

 57, 37.209,
207.027


 87, 37.209,
207.027

 47, 37.209,
207.027

 97, 37.209,
207.027

 37, 37.209,
207.027

 27, 37.209,
207.027

 17, 37.209,
207.027

 7, 37.209, 207.027

 0, 37.209, 207.027

■ 67, 37.209,
207.027

■ 67, 37.209,
207.027

■ 67, 37.309,
207.317

■ 68, 36.667,
206.103

■ 68, 35.378,
205.390

■ 69, 33.245,
204.881

■ 70, 30.251,
204.556

■ 71, 26.431,
204.393

■ 72, 21.857,
204.372

■ 73, 16.623,
204.470

■ 75, 10.837,

204.676

■ 77, 4.604, 205.010

Harmonies

Complementary

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



67, 37.209, 207.027



41, 81.952, 39.920

Rectangle

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



67, 37.209, 207.027



67, 37.209, 257.027



67, 37.209, 27.027



67, 37.209, 77.027

Sweetspot

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



67, 37.208, 207.026



92, 21.848, 204.436



68, 95.258, 136.526



49, 14.729, 204.391



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



67, 37.208, 207.026



85, 45.376, 207.507



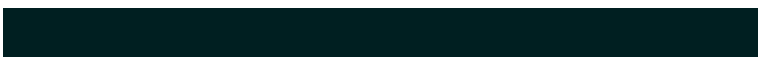
40, 62.585, 287.540



40, 3.707, 204.913



57, 32.682, 207.159



10, 11.580, 204.630

Inverse Universe

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



45, 88.421, 330.883



58, 108.112, 331.022



54, 66.531, 65.499



38, 6.916, 326.718



37, 77.824, 330.936



4, 22.814, 328.574

Previews

White Background



This preview shows how the CIELCh color 67, 37.209, 207.027 looks on a white background.

Color Contrast Check

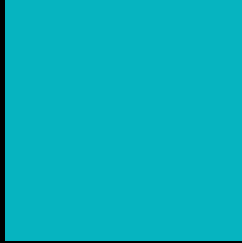
Large Text (above 18pt) WCAG AA × Fail

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, 37.209, 207.027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

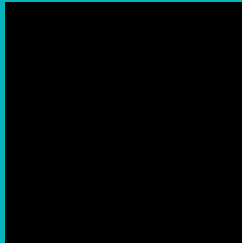
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 37.209, 207.027

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.209, 207.027.

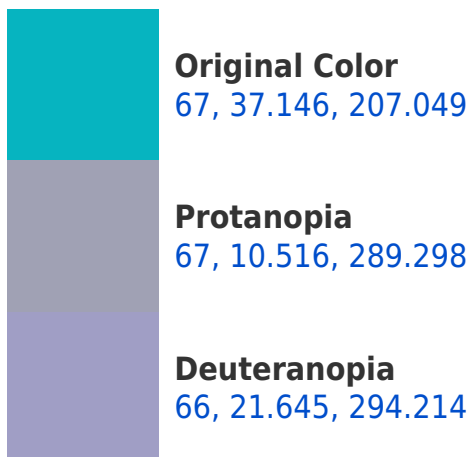


This preview shows how white text looks on a background with the CIELCh color 67, 37.209, 207.027.

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
67, 36.682, 209.942

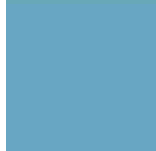
Trichromacy



Original Color
67, 37.146, 207.049



Protanomaly
65, 21.881, 222.061



Deuteranomaly
65, 24.335, 240.057

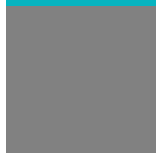


Tritanomaly
67, 36.865, 208.954

Monochromacy



Original Color
67, 37.146, 207.049



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.194, 203.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.209, 207.027 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(6, 180, 192)` looks like.

```
.text, #text, p{  
    color:rgb(6, 180, 192)  
}
```

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(6, 180, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 180, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.209, 207.027 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(6, 180, 192) }
```

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

```
.border{ border-color:rgb(6, 180, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 180, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 180, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 180, 192);  
box-shadow:4px 4px 4px 4px rgb(6, 180,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.209, 207.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 180, 192) }
```

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

```
.background{ background-color: rgb(6, 180,  
192) }
```

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