

Converting Colors

CIELCh(67, 37.529, 205.660)

Have a look what the booklet for
CIELCh(67, 37.529, 205.660)
contains.

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Color

CIELCh(67, 37.621, 205.127)

Conversions

Conversions Part 1

Format	Color
Hex	00B5BF
RGB	0, 181, 191
RGB Percent	0%, 71%, 75%
CMY	1.0000, 0.2916, 0.2524
CMYK	1.00, 0.05, 0.00, 0.25
HSL	183°, 100%, 37%
HSV	183°, 100%, 75%
XYZ	25.7898, 36.6320, 54.7902
YIQ	128.0210, -111.0860, -35.2620

Conversions

Conversions Part 2

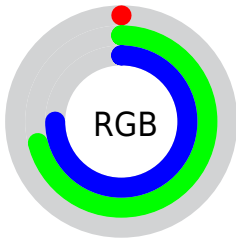
Format	Color
RYB	0, 93, 191
Decimal	46527
CIELab	67.00, -34.06, -15.97
CIELCh	67, 37.621, 205.127
Yxy	36.6320, 0.2200, 0.3125
Android (android.graphics.Color)	4278236607 (0xFF00B5BF)
YUV	128.0210, 31.0486, -112.2744
Hunter-Lab	60.5244, -29.8578, -11.3058

Details

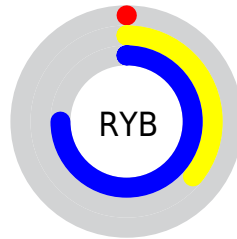
The CIELCh color **67, 37.621, 205.127** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **40, 83.308, 40.531**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 37.538, 205.180**, and **48, 28.820, 209.840** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.563, 205.143**, and if you desaturate by 10%, it is **67, 37.119, 204.393**.

Distribution



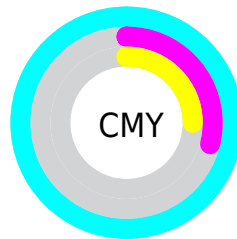
- Red (0%)
- Green (71%)
- Blue (75%)



- Red (0%)
- Yellow (36%)
- Blue (75%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (29%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 37.621, 205.127 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, 37.621, 205.127 by changing the saturation by 10% instead.


 67, 37.621,
205.127


 67, 37.621,
205.127


 100, 37.621,
205.127


 57, 37.621,
205.127


 87, 37.621,
205.127

 47, 37.621,
205.127

 97, 37.621,
205.127

 37, 37.621,
205.127

 27, 37.621,
205.127

 17, 37.621,
205.127

 7, 37.621, 205.127

 0, 37.621, 205.127

■ 67, 37.621,
205.127

■ 67, 37.621,
205.127

■ 67, 37.563,
205.143

■ 67, 37.119,
204.393

■ 68, 36.040,
203.798

■ 69, 34.135,
203.378

■ 69, 31.370,
203.122

■ 70, 27.766,
203.014

■ 71, 23.382,
203.035

■ 73, 18.310,
203.169

■ 74, 12.651,

203.402

■ 76, 6.513, 203.738

Harmonies

Complementary

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



67, 37.621, 205.127



40, 83.308, 40.531

Rectangle

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



67, 37.621, 205.127



67, 37.621, 255.127



67, 37.621, 25.127



67, 37.621, 75.127

Sweetspot

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



67, 37.563, 205.143



92, 22.580, 203.160



67, 95.337, 136.405



49, 15.260, 203.092



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, 37.563, 205.143



85, 45.637, 205.294



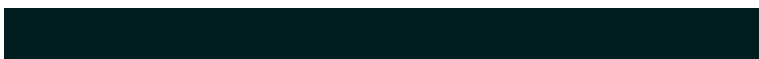
38, 64.155, 288.695



39, 3.667, 203.765



56, 32.733, 205.012



9, 10.865, 203.651

Inverse Universe

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



45, 89.110, 330.439



58, 108.299, 330.477



53, 67.309, 64.779



37, 6.820, 326.375



37, 77.629, 330.407



3, 20.413, 327.334

Previews

White Background



This preview shows how the CIELCh color 67, 37.621, 205.127 looks on a white background.

Color Contrast Check

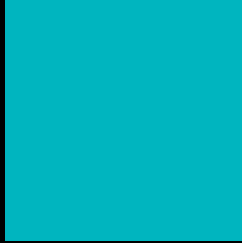
Large Text (above 18pt) WCAG AA × Fail

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, 37.621, 205.127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

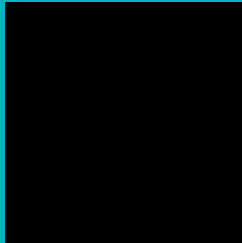
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 37.621, 205.127

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.621, 205.127.

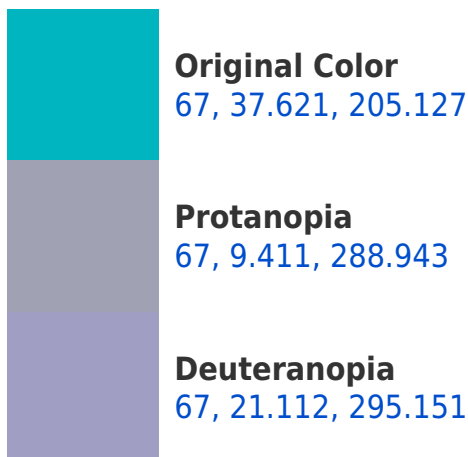


This preview shows how white text looks on a background with the CIELCh color 67, 37.621, 205.127.

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, 36.501, 210.021

Trichromacy



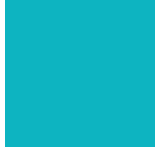
Original Color
67, 37.621, 205.127



Protanomaly
65, 22.229, 220.043



Deuteranomaly
65, 24.427, 238.091



Tritanomaly
67, 36.870, 208.048

Monochromacy



Original Color
67, 37.621, 205.127



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.705, 203.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.621, 205.127 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, 181, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 191)  
}
```

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, 181, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.621, 205.127 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, 181, 191) }
```

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

```
.border{ border-color:rgb(0, 181, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.621, 205.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 191) }
```

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

```
.background{ background-color: rgb(0, 181,  
191) }
```

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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