

Converting Colors

CIELCh(67, 37.794, 201.760)

Have a look what the booklet for
CIELCh(67, 37.794, 201.760)
contains.

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Color

CIELCh(67, 37.815, 201.604)

Conversions

Conversions Part 1

Format	Color
Hex	05B5BB
RGB	5, 181, 187
RGB Percent	2%, 71%, 73%
CMY	0.9817, 0.2905, 0.2670
CMYK	0.98, 0.03, 0.00, 0.27
HSL	182°, 95%, 38%
HSV	182°, 98%, 73%
XYZ	25.5283, 36.6320, 52.6974
YIQ	129.0600, -106.8220, -35.4460

Conversions

Conversions Part 2

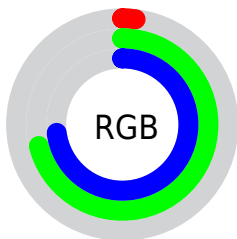
Format	Color
RYB	5, 94, 187
Decimal	374203
CIELab	67.00, -35.16, -13.92
CIELCh	67, 37.815, 201.604
Yxy	36.6320, 0.2223, 0.3189
Android (android.graphics.Color)	4278564283 (0xFF05B5BB)
YUV	129.0600, 28.5644, -108.8006
Hunter-Lab	60.5244, -30.6289, -9.2556

Details

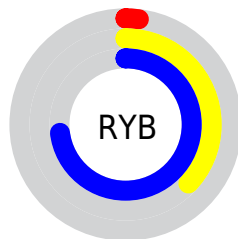
The CIELCh color **67, 37.815, 201.604** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **39, 80.915, 39.616**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 37.765, 201.846**, and **48, 29.045, 204.840** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.925, 201.711**, and if you desaturate by 10%, it is **67, 37.200, 201.196**.

Distribution



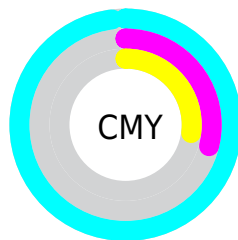
- Red (2%)
- Green (71%)
- Blue (73%)



- Red (2%)
- Yellow (37%)
- Blue (73%)



- Cyan (98%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)



- Cyan (98%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 37.815, 201.604 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, 37.815, 201.604 by changing the saturation by 10% instead.

 67, 37.815,
201.604

 67, 37.815,
201.604

 100, 37.815,
201.604

 57, 37.815,
201.604

 87, 37.815,
201.604


 47, 37.815,
201.604


 97, 37.815,
201.604

 37, 37.815,
201.604

 27, 37.815,
201.604

 17, 37.815,
201.604

 7, 37.815, 201.604

 0, 37.815, 201.604

■ 67, 37.815,
201.604

■ 67, 37.815,
201.604

■ 67, 37.925,
201.711

■ 67, 37.200,
201.196

■ 68, 35.865,
200.911

■ 68, 33.701,
200.753

■ 69, 30.686,
200.715

■ 70, 26.851,
200.789

■ 71, 22.261,
200.963

■ 72, 17.008,
201.226

■ 73, 11.198,

201.572

■ 75, 4.936, 202.022

Harmonies

Complementary

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



67, 37.815, 201.604



39, 80.915, 39.616

Rectangle

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



67, 37.815, 201.604



67, 37.815, 251.604



67, 37.815, 21.604



67, 37.815, 71.604

Sweetspot

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



67, 37.814, 201.603



91, 21.970, 201.168



66, 93.957, 136.242



48, 14.938, 201.052



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



67, 37.814, 201.603



85, 46.038, 201.802



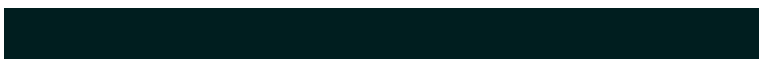
40, 57.635, 284.669



39, 3.737, 201.925



57, 33.524, 201.641



9, 11.153, 200.937

Inverse Universe

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



44, 88.749, 329.539



57, 108.288, 329.608



51, 65.917, 62.537



37, 6.912, 325.824



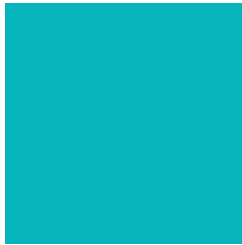
37, 78.815, 329.568



3, 20.810, 326.605

Previews

White Background



This preview shows how the CIELCh color 67, 37.815, 201.604 looks on a white background.

Color Contrast Check

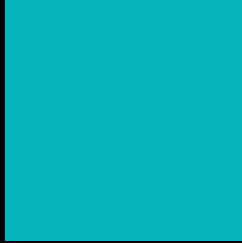
Large Text (above 18pt) WCAG AA × Fail

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, 37.815, 201.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

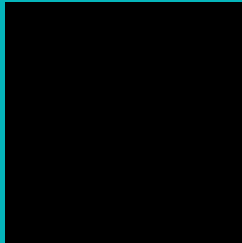
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 37.815, 201.604

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.815, 201.604.

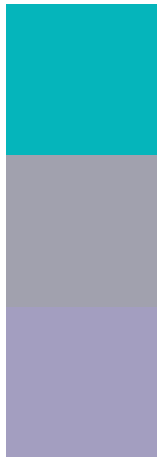


This preview shows how white text looks on a background with the CIELCh color 67, 37.815, 201.604.

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, 37.815, 201.604

Protanopia
67, 7.198, 290.931

Deuteranopia
67, 18.964, 297.420



Tritanopia
67, 36.195, 209.231

Trichromacy



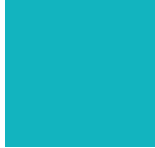
Original Color
67, 37.815, 201.604



Protanomaly
65, 21.350, 214.576



Deuteranomaly
65, 22.776, 234.293



Tritanomaly
67, 36.767, 206.283

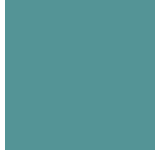
Monochromacy



Original Color
67, 37.815, 201.604



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.298, 200.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.815, 201.604 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, 181, 187)` looks like.

```
.text, #text, p{  
    color:rgb(5, 181, 187)  
}
```

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, 181, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 181, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.815, 201.604 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, 181, 187) }
```

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

```
.border{ border-color:rgb(5, 181, 187) }
```

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

Here you see how a box with a 4 pixel rgb(5, 181, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 181, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 181, 187);  
box-shadow:4px 4px 4px 4px rgb(5, 181,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.815, 201.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 181, 187) }
```

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

```
.background{ background-color: rgb(5, 181,  
187) }
```

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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