

Converting Colors

CIELCh(67, 37.472, 198.804)

Have a look what the booklet for
CIELCh(67, 37.472, 198.804)
contains.

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Color

CIELCh(67, 37.460, 199.074)

Conversions

Conversions Part 1

Format	Color
Hex	16B5B8
RGB	22, 181, 184
RGB Percent	9%, 71%, 72%
CMY	0.9148, 0.2906, 0.2788
CMYK	0.88, 0.02, 0.00, 0.28
HSL	181°, 79%, 40%
HSV	181°, 88%, 72%
XYZ	25.4702, 36.6320, 51.0225
YIQ	133.8010, -95.7270, -32.7750

Conversions

Conversions Part 2

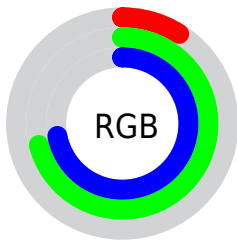
Format	Color
RYB	22, 102, 184
Decimal	1488312
CIELab	67.00, -35.40, -12.24
CIELCh	67, 37.460, 199.074
Yxy	36.6320, 0.2252, 0.3238
Android (android.graphics.Color)	4279678392 (0xFF16B5B8)
YUV	133.8010, 24.7481, -98.0495
Hunter-Lab	60.5244, -30.8002, -7.6149

Details

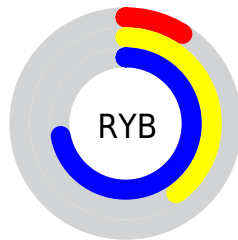
The CIELCh color **67, 37.460, 199.074** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **39, 74.490, 36.938**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 37.280, 199.468**, and **48, 29.339, 201.159** is the 20% darker color. If you saturate the color by 10%, you get **67, 38.103, 199.270**, and if you desaturate by 10%, it is **67, 36.128, 198.962**.

Distribution



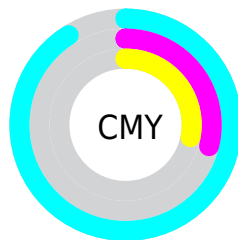
- Red (9%)
- Green (71%)
- Blue (72%)



- Red (9%)
- Yellow (40%)
- Blue (72%)



- Cyan (88%)
- Magenta (2%)
- Yellow (0%)
- Black (28%)





- Cyan (91%)
- Magenta (29%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 37.460, 199.074 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, 37.460, 199.074 by changing the saturation by 10% instead.


 67, 37.460,
199.074


 67, 37.460,
199.074


 100, 37.460,
199.074


 57, 37.460,
199.074


 87, 37.460,
199.074

 47, 37.460,
199.074

 97, 37.460,
199.074

 37, 37.460,
199.074

 27, 37.460,
199.074

 17, 37.460,
199.074

 7, 37.460, 199.074

 0, 37.460, 199.074

■ 67, 37.460,
199.074

■ 67, 37.460,
199.074

■ 67, 38.103,
199.270

■ 67, 36.128,
198.962

■ 67, 38.196,
199.308

■ 68, 33.982,
198.948

■ 68, 30.995,
199.028

■ 69, 27.191,
199.198

■ 70, 22.632,
199.453

■ 71, 17.407,
199.783

■ 72, 11.619,
200.186

■ 74, 5.375, 200.679

Harmonies

Complementary

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



67, 37.460, 199.074



39, 74.490, 36.938

Rectangle

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



67, 37.460, 199.074



67, 37.460, 249.074



67, 37.460, 19.074



67, 37.460, 69.074

Sweetspot

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



67, 37.459, 199.073



90, 20.047, 199.848



65, 89.949, 136.762



48, 13.408, 199.722



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 37.459, 199.073



85, 46.571, 199.359



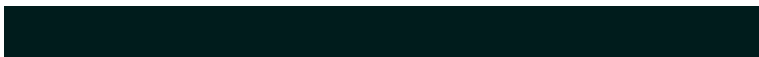
42, 51.369, 280.515



38, 3.707, 200.614



57, 33.763, 199.270



8, 10.211, 200.230

Inverse Universe

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



44, 86.526, 328.805



57, 108.668, 328.993



52, 60.734, 64.897



36, 6.824, 325.424



37, 78.757, 328.970



3, 18.475, 325.435

Previews

White Background



This preview shows how the CIELCh color 67, 37.460, 199.074 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, 37.460, 199.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

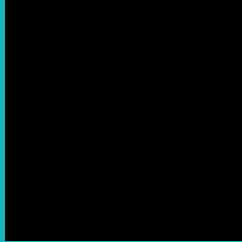
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

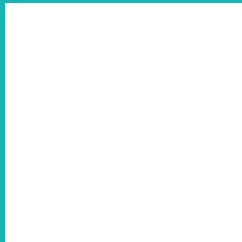
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 37.460, 199.074

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.460, 199.074.

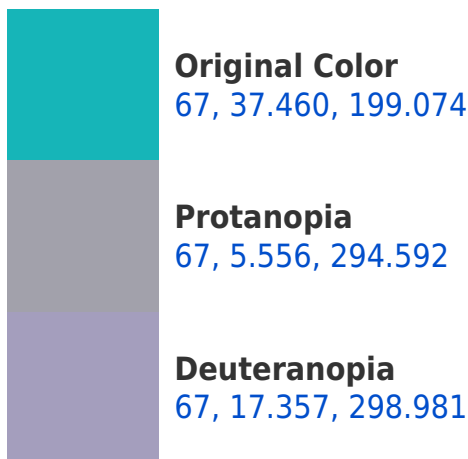


This preview shows how white text looks on a background with the CIELCh color 67, 37.460, 199.074.

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



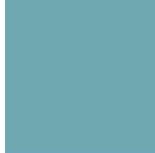


Tritanopia
67, 35.276, 210.580

Trichromacy



Original Color
67, 37.460, 199.074



Protanomaly
65, 19.308, 211.311



Deuteranomaly
65, 20.512, 233.157



Tritanomaly
67, 36.039, 205.615

Monochromacy



Original Color
67, 37.460, 199.074



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 19.723, 199.293

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.460, 199.074 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(22, 181, 184)` looks like.

```
.text, #text, p{  
    color:rgb(22, 181, 184)  
}
```

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(22, 181, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 181, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.460, 199.074 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(22, 181, 184) }
```

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

```
.border{ border-color:rgb(22, 181, 184) }
```

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

Here you see how a box with a 4 pixel rgb(22, 181, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 181, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 181, 184);  
box-shadow:4px 4px 4px 4px rgb(22, 181,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.460, 199.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 181, 184) }
```

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

```
.background{ background-color: rgb(22, 181,  
184) }
```

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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