

Converting Colors

CIELCh(67, 38.100, 196.636)

Have a look what the booklet for
CIELCh(67, 38.100, 196.636)
contains.

CIELCh(67, 38.081, 196.435)	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, 38.081, 196.435)

Conversions

Conversions Part 1

Format	Color
Hex	13B5B5
RGB	19, 181, 181
RGB Percent	7%, 71%, 71%
CMY	0.9261, 0.2892, 0.2892
CMYK	0.90, 0.00, 0.00, 0.29
HSL	180°, 81%, 39%
HSV	180°, 90%, 71%
XYZ	25.2053, 36.6320, 49.5903
YIQ	132.5620, -96.5520, -34.3440

Conversions

Conversions Part 2

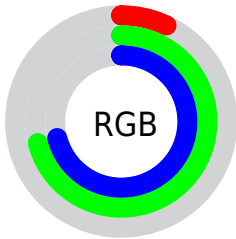
Format	Color
RYB	19, 100, 181
Decimal	1291701
CIELab	67.00, -36.53, -10.77
CIELCh	67, 38.081, 196.435
Yxy	36.6320, 0.2262, 0.3288
Android (android.graphics.Color)	4279481781 (0xFF13B5B5)
YUV	132.5620, 23.8799, -99.5939
Hunter-Lab	60.5244, -31.5816, -6.2119

Details

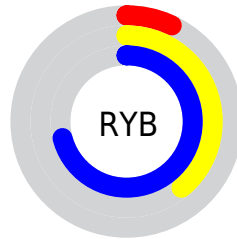
The CIELCh color **67, 38.081, 196.435** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **38, 74.961, 37.006**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 37.950, 196.966**, and **48, 29.738, 197.563** is the 20% darker color. If you saturate the color by 10%, you get **67, 38.761, 196.383**, and if you desaturate by 10%, it is **67, 36.781, 196.531**.

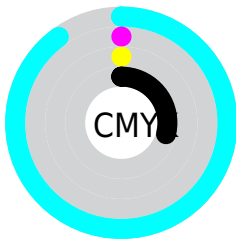
Distribution



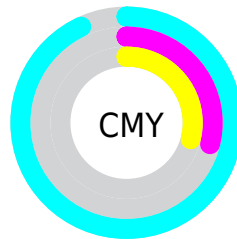
- Red (7%)
- Green (71%)
- Blue (71%)



- Red (7%)
- Yellow (39%)
- Blue (71%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)





- Cyan (93%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 38.081, 196.435 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, 38.081, 196.435 by changing the saturation by 10% instead.


 67, 38.081,
196.435

 67, 38.081,
196.435


 100, 38.081,
196.435


 57, 38.081,
196.435


 87, 38.081,
196.435

 47, 38.081,
196.435

 97, 38.081,
196.435

 37, 38.081,
196.435

 27, 38.081,
196.435

 17, 38.081,
196.435

 7, 38.081, 196.435

 0, 38.081, 196.435

■ 67, 38.081,
196.435

■ 67, 38.081,
196.435

■ 67, 38.761,
196.383

■ 67, 36.781,
196.531

■ 67, 38.785,
196.381

■ 68, 34.686,
196.687

■ 68, 31.760,
196.908

■ 69, 28.017,
197.194

■ 69, 23.512,
197.544

■ 70, 18.328,
197.954

■ 71, 12.566,
198.424

■ 72, 6.332, 198.966

Harmonies

Complementary

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



67, 38.081, 196.435



38, 74.961, 37.006

Rectangle

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



67, 38.081, 196.435



67, 38.081, 246.435



67, 38.081, 16.435



67, 38.081, 66.435

Sweetspot

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



67, 38.080, 196.434



89, 20.782, 198.051



64, 89.805, 136.368



47, 13.816, 197.902



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 38.080, 196.434



85, 47.052, 196.381



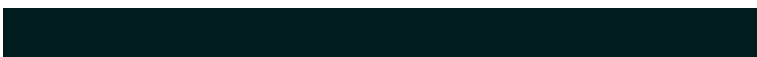
43, 48.483, 277.633



38, 3.777, 198.982



58, 34.645, 196.381



8, 10.518, 197.735

Inverse Universe

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



38, 74.961, 37.006



49, 98.181, 39.999



50, 61.279, 61.736



36, 4.004, 19.912



32, 71.869, 39.597



2, 10.638, 19.403

Previews

White Background



This preview shows how the CIELCh color 67, 38.081, 196.435 looks on a white background.

Color Contrast Check

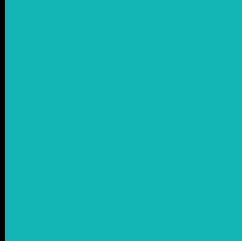
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 38.081, 196.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

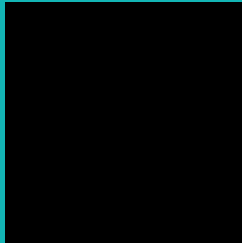
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

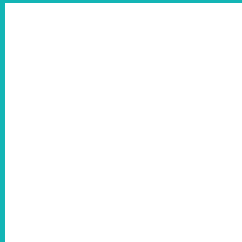
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 38.081, 196.435

Background



This preview shows how black text looks on a background with the CIELCh color 67, 38.081, 196.435.

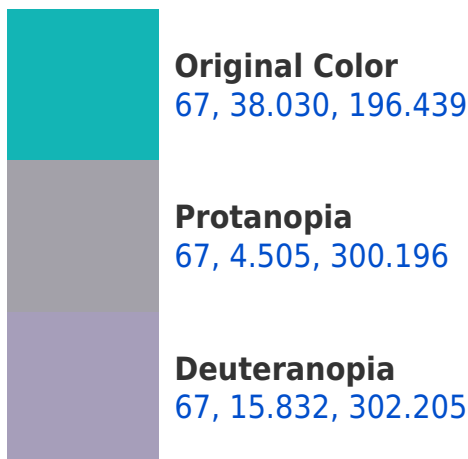


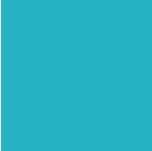
This preview shows how white text looks on a background with the CIELCh color 67, 38.081, 196.435.

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, 35.191, 210.620

Trichromacy



Original Color
67, 38.030, 196.439



Protanomaly
65, 19.234, 206.223



Deuteranomaly
65, 19.831, 228.684



Tritanomaly
67, 36.181, 204.660

Monochromacy



Original Color
67, 38.030, 196.439



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 20.365, 197.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 38.081, 196.435 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(19, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(19, 181, 181)  
}
```

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(19, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 181, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 38.081, 196.435 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(19, 181, 181) }
```

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

```
.border{ border-color:rgb(19, 181, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 181, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(19, 181,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 38.081, 196.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 181, 181) }
```

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

```
.background{ background-color: rgb(19, 181,  
181) }
```

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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