

Converting Colors

CIELCh(67, 41.010, 181.587)

Have a look what the booklet for
CIELCh(67, 41.010, 181.587)
contains.

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Color

CIELCh(67, 40.767, 181.935)

Conversions

Conversions Part 1

Format	Color
Hex	24B6A4
RGB	36, 182, 164
RGB Percent	14%, 71%, 64%
CMY	0.8606, 0.2851, 0.3558
CMYK	0.80, 0.00, 0.10, 0.29
HSL	173°, 67%, 43%
HSV	173°, 80%, 71%
XYZ	24.2252, 36.6320, 41.0481
YIQ	136.2940, -81.2380, -36.5500

Conversions

Conversions Part 2

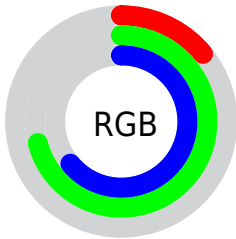
Format	Color
R _Y B	36, 114, 182
Decimal	2406052
CIE Lab	67.00, -40.74, -1.38
CIE LCh	67, 40.767, 181.935
Yxy	36.6320, 0.2377, 0.3595
Android (android.graphics.Color)	4280596132 (0xFF24B6A4)
YUV	136.2940, 13.6591, -87.9578
Hunter-Lab	60.5244, -34.4720, 2.1561

Details

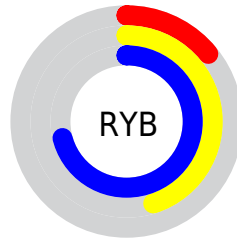
The CIELCh color **67, 40.767, 181.935** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **40, 63.842, 25.731**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 40.859, 181.787**, and **48, 33.836, 179.623** is the 20% darker color. If you saturate the color by 10%, you get **67, 42.661, 180.702**, and if you desaturate by 10%, it is **67, 38.084, 183.058**.

Distribution



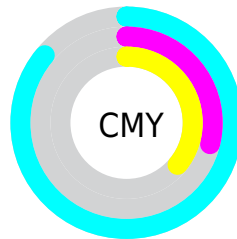
- Red (14%)
- Green (71%)
- Blue (64%)



- Red (14%)
- Yellow (45%)
- Blue (71%)



- Cyan (80%)
- Magenta (0%)
- Yellow (10%)
- Black (29%)





- Cyan (86%)
- Magenta (29%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 40.767, 181.935 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, 40.767, 181.935 by changing the saturation by 10% instead.


 67, 40.767,
181.935


 67, 40.767,
181.935


 100, 40.767,
181.935


 57, 40.767,
181.935


 87, 40.767,
181.935

 47, 40.767,
181.935

 97, 40.767,
181.935

 37, 40.767,
181.935

 27, 40.767,
181.935

 17, 40.767,
181.935

 7, 40.767, 181.935

 0, 40.767, 181.935

■ 67, 40.767,
181.935

■ 67, 40.767,
181.935

■ 67, 42.661,
180.702

■ 67, 38.084,
183.058

■ 67, 43.912,
179.450

■ 68, 34.587,
184.092

■ 69, 30.308,
185.056

■ 69, 25.317,
185.968

■ 70, 19.714,
186.843

■ 71, 13.609,
187.692

■ 73, 7.115, 188.541

■ 74, 0.338, 190.734

Harmonies

Complementary

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



67, 40.767, 181.935



40, 63.842, 25.731

Rectangle

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



67, 40.767, 181.935



67, 40.767, 231.935



67, 40.767, 1.935



67, 40.767, 51.935

Sweetspot

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



67, 40.767, 181.934



90, 19.545, 187.362



65, 84.165, 135.491



48, 13.405, 187.060



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, 40.767, 181.934



85, 53.207, 179.613



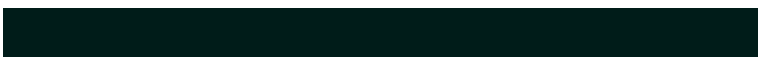
51, 36.574, 258.131



38, 3.871, 188.643



57, 38.989, 179.631



8, 11.048, 184.258

Inverse Universe

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



40, 63.842, 25.731



50, 91.435, 34.118



49, 57.617, 53.644



36, 4.049, 10.037



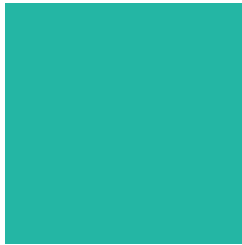
32, 67.098, 33.932



2, 10.747, 11.982

Previews

White Background



This preview shows how the CIE LCh color 67, 40.767, 181.935 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, 40.767, 181.935 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

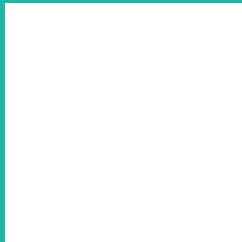
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 40.767, 181.935

Background



This preview shows how black text looks on a background with the CIELCh color 67, 40.767, 181.935.

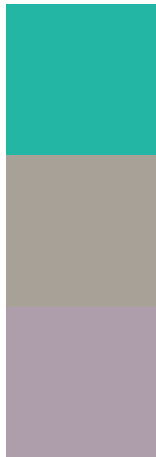


This preview shows how white text looks on a background with the CIELCh color 67, 40.767, 181.935.

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](#).

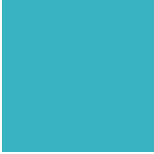
Dichromacy



Original Color
67, 40.674, 181.910

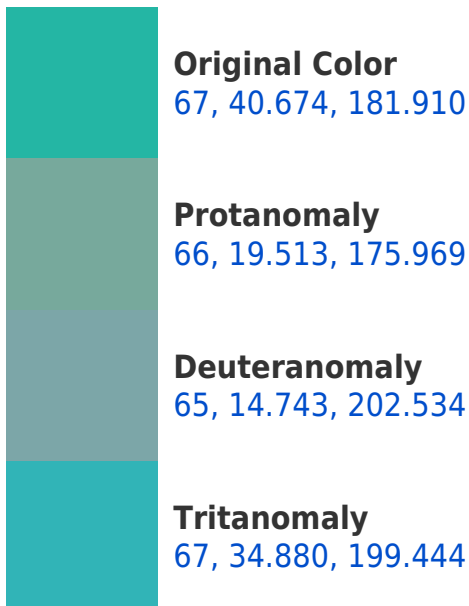
Protanopia
66, 5.474, 84.258

Deuteranopia
67, 9.684, 332.381



Tritanopia
67, 32.827, 211.803

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 40.767, 181.935 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(36, 182, 164)` looks like.

```
.text, #text, p{  
    color:rgb(36, 182, 164)  
}
```

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(36, 182, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 182, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 40.767, 181.935 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(36, 182, 164) }
```

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

```
.border{ border-color:rgb(36, 182, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 182, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 182, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 182, 164);  
box-shadow:4px 4px 4px 4px rgb(36, 182,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 40.767, 181.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 182, 164) }
```

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

```
.background{ background-color: rgb(36, 182,  
164) }
```

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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