

Converting Colors

CIELCh(62, 61.797, 188.494)

Have a look what the booklet for
CIELCh(62, 61.797, 188.494)
contains.

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Color

CIELCh(65, 40.270, 186.511)

Conversions

Conversions Part 1

Format	Color
Hex	03B1A5
RGB	3, 177, 165
RGB Percent	1%, 69%, 65%
CMY	0.9877, 0.3071, 0.3542
CMYK	0.98, 0.00, 0.07, 0.31
HSL	176°, 97%, 35%
HSV	176°, 98%, 69%
XYZ	22.4617, 34.0472, 40.8282
YIQ	123.6060, -99.8520, -40.6200

Conversions

Conversions Part 2

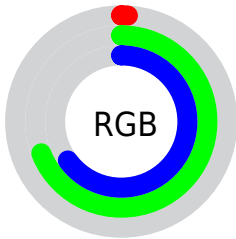
Format	Color
RYB	3, 93, 177
Decimal	242085
CIELab	65.00, -40.01, -4.57
CIELCh	65, 40.270, 186.511
Yxy	34.0472, 0.2308, 0.3498
Android (android.graphics.Color)	4278432165 (0xFF03B1A5)
YUV	123.6060, 20.4072, -105.7715
Hunter-Lab	58.3500, -33.3993, -0.6410

Details

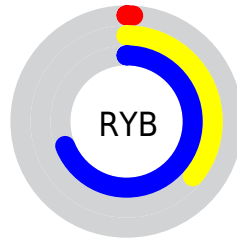
The CIELCh color **65, 40.270, 186.511** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **37, 75.566, 36.624**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 40.237, 186.868**, and **46, 31.344, 185.082** is the 20% darker color. If you saturate the color by 10%, you get **65, 40.433, 186.361**, and if you desaturate by 10%, it is **65, 39.231, 187.354**.

Distribution



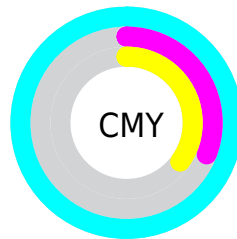
- Red (1%)
- Green (69%)
- Blue (65%)



- Red (1%)
- Yellow (36%)
- Blue (69%)



- Cyan (98%)
- Magenta (0%)
- Yellow (7%)
- Black (31%)





- Cyan (99%)
- Magenta (31%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 40.270, 186.511 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 65, 40.270, 186.511 by changing the saturation by 10% instead.


 65, 40.270,
186.511


 65, 40.270,
186.511


 100, 40.270,
186.511


 55, 40.270,
186.511


 85, 40.270,
186.511

 45, 40.270,
186.511

 95, 40.270,
186.511

 35, 40.270,
186.511

 25, 40.270,
186.511

 15, 40.270,
186.511

 5, 40.270, 186.511

 0, 40.270, 186.511

■ 65, 40.270,
186.511

■ 65, 40.270,
186.511

■ 65, 40.433,
186.361

■ 65, 39.231,
187.354

■ 65, 37.528,
188.147

■ 66, 35.037,
188.896

■ 66, 31.742,
189.616

■ 67, 27.676,
190.320

■ 68, 22.908,
191.018

■ 69, 17.533,
191.717

■ 70, 11.655,

192.427

■ 71, 5.384, 193.175

Harmonies

Complementary

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



65, 40.270, 186.511



37, 75.566, 36.624

Rectangle

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



65, 40.270, 186.511



65, 40.270, 236.511



65, 40.270, 6.511



65, 40.270, 56.511

Sweetspot

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



65, 40.270, 186.510



87, 22.186, 191.628



63, 90.030, 135.689



45, 14.990, 191.336



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 40.270, 186.510



82, 49.225, 186.199



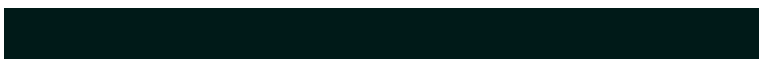
43, 45.431, 273.601



37, 3.728, 193.087



57, 36.333, 186.467



7, 9.277, 190.842

Inverse Universe

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



37, 75.566, 36.624



48, 93.775, 37.793



45, 66.261, 54.666



35, 3.921, 14.309



31, 68.403, 36.679



2, 9.193, 14.961

Previews

White Background



This preview shows how the CIE LCh color 65, 40.270, 186.511 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 65, 40.270, 186.511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

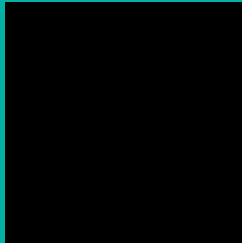
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 40.270, 186.511

Background



This preview shows how black text looks on a background with the CIELCh color 65, 40.270, 186.511.

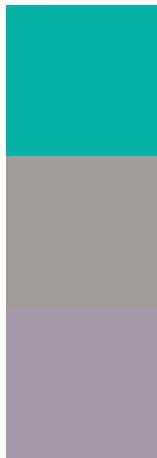


This preview shows how white text looks on a background with the CIELCh color 65, 40.270, 186.511.

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
65, 40.317, 186.543

Protanopia
65, 2.259, 66.688

Deuteranopia
65, 11.369, 318.579



Tritanopia
65, 33.698, 210.384

Trichromacy



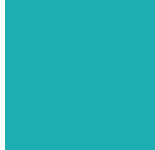
Original Color
65, 40.317, 186.543



Protanomaly
63, 21.521, 186.991



Deuteranomaly
63, 18.454, 210.264



Tritanomaly
65, 35.659, 201.113

Monochromacy



Original Color
65, 40.317, 186.543



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 22.123, 189.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 40.270, 186.511 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(3, 177, 165)` looks like.

```
.text, #text, p{  
    color:rgb(3, 177, 165)  
}
```

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(3, 177, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 177, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 40.270, 186.511 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(3, 177, 165) }
```

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

```
.border{ border-color:rgb(3, 177, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 177, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 177, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 177, 165);  
box-shadow:4px 4px 4px 4px rgb(3, 177,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 40.270, 186.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 177, 165) }
```

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

```
.background{ background-color: rgb(3, 177,  
165) }
```

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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