

Converting Colors

CIELCh(65, 42.612, 185.465)

Have a look what the booklet for
CIELCh(65, 42.612, 185.465)
contains.

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Color

CIELCh(65, 41.055, 185.092)

Conversions

Conversions Part 1

Format	Color
Hex	00B1A3
RGB	0, 177, 163
RGB Percent	0%, 69%, 64%
CMY	1.0000, 0.3060, 0.3608
CMYK	1.00, 0.00, 0.08, 0.31
HSL	175°, 100%, 35%
HSV	175°, 100%, 69%
XYZ	22.2698, 34.0472, 40.0497
YIQ	122.4810, -100.9980, -41.8780

Conversions

Conversions Part 2

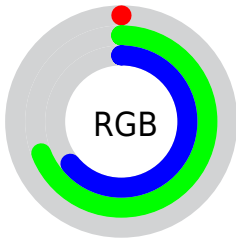
Format	Color
RYB	0, 92, 177
Decimal	45475
CIELab	65.00, -40.89, -3.64
CIElCh	65, 41.055, 185.092
Yxy	34.0472, 0.2311, 0.3533
Android (android.graphics.Color)	4278235555 (0xFF00B1A3)
YUV	122.4810, 19.9759, -107.4158
Hunter-Lab	58.3500, -33.9862, 0.1500

Details

The CIELCh color **65, 41.055, 185.092** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **37, 76.196, 36.728**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 40.638, 185.418**, and **46, 31.881, 183.015** is the 20% darker color. If you saturate the color by 10%, you get **65, 40.889, 185.059**, and if you desaturate by 10%, it is **65, 39.855, 185.999**.

Distribution



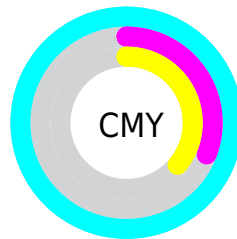
- Red (0%)
- Green (69%)
- Blue (64%)



- Red (0%)
- Yellow (36%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 41.055, 185.092 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, 41.055, 185.092 by changing the saturation by 10% instead.


 65, 41.055,
185.092


 65, 41.055,
185.092


 100, 41.055,
185.092


 55, 41.055,
185.092


 85, 41.055,
185.092

 45, 41.055,
185.092

 95, 41.055,
185.092

 35, 41.055,
185.092

 25, 41.055,
185.092

 15, 41.055,
185.092

 5, 41.055, 185.092

 0, 41.055, 185.092

■ 65, 41.055,
185.092

■ 65, 41.055,
185.092

■ 65, 40.889,
185.059

■ 65, 39.855,
185.999

■ 65, 38.230,
186.886

■ 66, 35.826,
187.714

■ 66, 32.617,
188.499

■ 67, 28.631,
189.255

■ 68, 23.933,
189.995

■ 69, 18.614,
190.728

■ 70, 12.781,

191.463

■ 71, 6.542, 192.222

Harmonies

Complementary

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



65, 41.055, 185.092



37, 76.196, 36.728

Rectangle

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



65, 41.055, 185.092



65, 41.055, 235.092



65, 41.055, 5.092



65, 41.055, 55.092

Sweetspot

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



65, 40.889, 185.059



87, 22.955, 190.691



63, 90.594, 135.636



45, 15.424, 190.390



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, 40.889, 185.059



82, 49.733, 184.880



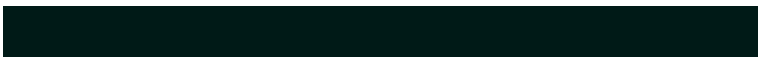
43, 46.216, 274.418



37, 3.736, 192.276



57, 36.695, 185.179



7, 9.309, 189.714

Inverse Universe

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



37, 76.196, 36.728



48, 93.321, 37.408



45, 67.379, 54.390



35, 3.926, 13.531



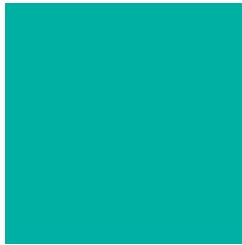
31, 68.038, 36.233



2, 9.203, 14.345

Previews

White Background



This preview shows how the CIE LCh color 65, 41.055, 185.092 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 65, 41.055, 185.092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

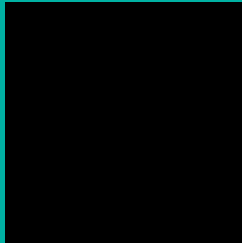
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 41.055, 185.092

Background



This preview shows how black text looks on a background with the CIELCh color 65, 41.055, 185.092.

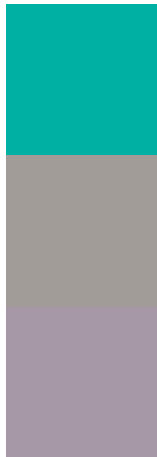


This preview shows how white text looks on a background with the CIELCh color 65, 41.055, 185.092.

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, 40.901, 185.037

Protanopia
65, 3.373, 74.590

Deuteranopia
65, 10.600, 323.211

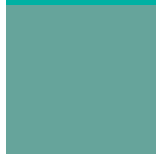


Tritanopia
65, 33.594, 210.434

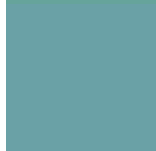
Trichromacy



Original Color
65, 40.901, 185.037



Protanomaly
63, 22.187, 184.284



Deuteranomaly
63, 18.695, 206.533

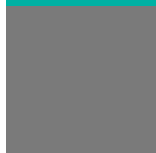


Tritanomaly
65, 35.841, 200.163

Monochromacy



Original Color
65, 40.901, 185.037



Achromatopsia
51, 0.007, 296.813



Achromatomaly
55, 22.124, 189.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 41.055, 185.092 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(0, 177, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 163)  
}
```

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(0, 177, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 41.055, 185.092 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(0, 177, 163) }
```

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

```
.border{ border-color:rgb(0, 177, 163) }
```

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

Here you see how a box with a 4 pixel rgb(0, 177, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 41.055, 185.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 163) }
```

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

```
.background{ background-color: rgb(0, 177,  
163) }
```

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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