

Converting Colors

CIELCh(60, 81.827, 188.866)

Have a look what the booklet for
CIELCh(60, 81.827, 188.866)
contains.

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Color

CIELCh(65, 40.040, 187.289)

Conversions

Conversions Part 1

Format	Color
Hex	03B1A6
RGB	3, 177, 166
RGB Percent	1%, 69%, 65%
CMY	0.9891, 0.3074, 0.3506
CMYK	0.98, 0.00, 0.06, 0.31
HSL	176°, 97%, 35%
HSV	176°, 98%, 69%
XYZ	22.5258, 34.0472, 41.2660
YIQ	123.7200, -100.1730, -40.3090

Conversions

Conversions Part 2

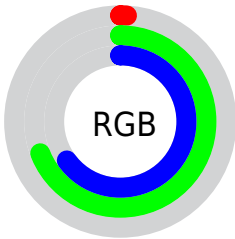
Format	Color
RYB	3, 93, 177
Decimal	242086
CIELab	65.00, -39.72, -5.08
CIELCh	65, 40.040, 187.289
Yxy	34.0472, 0.2302, 0.3480
Android (android.graphics.Color)	4278432166 (0xFF03B1A6)
YUV	123.7200, 20.8440, -105.8714
Hunter-Lab	58.3500, -33.2032, -1.0859

Details

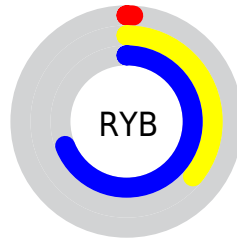
The CIELCh color **65, 40.040, 187.289** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **37, 75.890, 36.951**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 39.862, 187.573**, and **46, 31.088, 186.140** is the 20% darker color. If you saturate the color by 10%, you get **65, 40.180, 187.165**, and if you desaturate by 10%, it is **65, 39.041, 188.073**.

Distribution



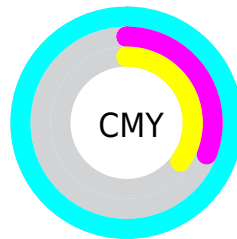
- Red (1%)
- Green (69%)
- Blue (65%)



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



- Cyan (98%)
- Magenta (0%)
- Yellow (6%)
- Black (31%)



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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 40.040, 187.289 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, 40.040, 187.289 by changing the saturation by 10% instead.


 65, 40.040,
187.289


 65, 40.040,
187.289


 100, 40.040,
187.289


 55, 40.040,
187.289


 85, 40.040,
187.289

 45, 40.040,
187.289

 95, 40.040,
187.289

 35, 40.040,
187.289

 25, 40.040,
187.289

 15, 40.040,
187.289

 5, 40.040, 187.289

 0, 40.040, 187.289

■ 65, 40.040,
187.289

■ 65, 40.040,
187.289

■ 65, 40.180,
187.165

■ 65, 39.041,
188.073

■ 65, 37.385,
188.816

■ 66, 34.942,
189.522

■ 66, 31.694,
190.206

■ 67, 27.671,
190.879

■ 68, 22.943,
191.551

■ 69, 17.601,
192.229

■ 70, 11.751,

192.921

■ 71, 5.501, 193.654

Harmonies

Complementary

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



65, 40.040, 187.289



37, 75.890, 36.951

Rectangle

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



65, 40.040, 187.289



65, 40.040, 237.289



65, 40.040, 7.289



65, 40.040, 57.289

Sweetspot

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



65, 40.040, 187.288



87, 22.825, 192.086



63, 90.170, 135.781



45, 15.329, 191.807



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, 40.040, 187.288



82, 48.927, 187.015



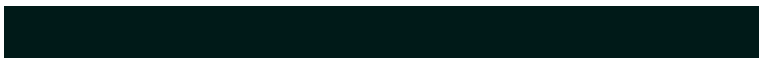
42, 47.040, 275.822



37, 3.723, 193.583



57, 36.121, 187.263



7, 9.259, 191.532

Inverse Universe

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



37, 75.890, 36.951



48, 94.037, 38.012



45, 65.800, 55.835



35, 3.919, 14.782



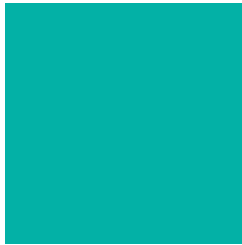
31, 68.612, 36.931



2, 9.188, 15.337

Previews

White Background



This preview shows how the CIE LCh color 65, 40.040, 187.289 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, 40.040, 187.289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

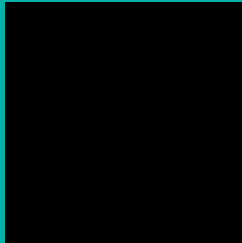
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 40.040, 187.289

Background



This preview shows how black text looks on a background with the CIELCh color 65, 40.040, 187.289.

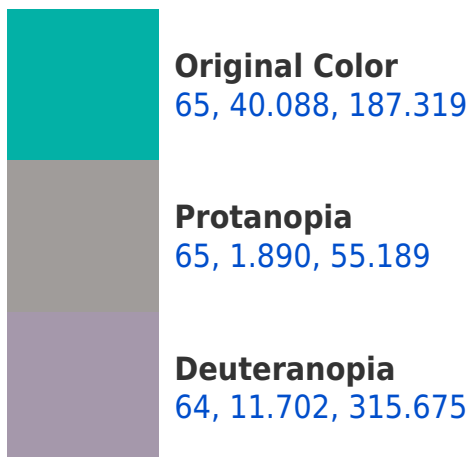


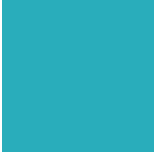
This preview shows how white text looks on a background with the CIELCh color 65, 40.040, 187.289.

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
65, 33.800, 210.336

Trichromacy



Original Color
65, 40.088, 187.319



Protanomaly
63, 20.910, 189.845



Deuteranomaly
63, 18.781, 211.806



Tritanomaly
65, 35.732, 201.099

Monochromacy



Original Color
65, 40.088, 187.319



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 21.695, 191.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 40.040, 187.289 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(3, 177, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 177, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 40.040, 187.289 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, 166) }
```

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

```
.border{ border-color:rgb(3, 177, 166) }
```

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, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 177, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 177, 166);  
box-shadow:4px 4px 4px 4px rgb(3, 177,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 40.040, 187.289 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, 166) }
```

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

```
.background{ background-color: rgb(3, 177,  
166) }
```

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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