

Converting Colors

CIELCh(65, 38.000, 194.936)

Have a look what the booklet for
CIELCh(65, 38.000, 194.936)
contains.

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Color

CIELCh(65, 38.089, 194.669)

Conversions

Conversions Part 1

Format	Color
Hex	04B0AE
RGB	4, 176, 174
RGB Percent	2%, 69%, 68%
CMY	0.9839, 0.3106, 0.3184
CMYK	0.98, 0.00, 0.01, 0.31
HSL	179°, 95%, 35%
HSV	179°, 98%, 69%
XYZ	23.1582, 34.0472, 45.2955
YIQ	124.3440, -101.8700, -37.0860

Conversions

Conversions Part 2

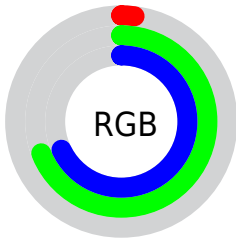
Format	Color
RYB	4, 91, 176
Decimal	307374
CIELab	65.00, -36.85, -9.65
CIELCh	65, 38.089, 194.669
Yxy	34.0472, 0.2259, 0.3322
Android (android.graphics.Color)	4278497454 (0xFF04B0AE)
YUV	124.3440, 24.4804, -105.5417
Hunter-Lab	58.3500, -31.2686, -5.1802

Details

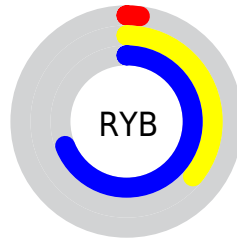
The CIELCh color **65, 38.089, 194.669** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **37, 77.229, 38.797**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 38.019, 194.503**, and **46, 29.380, 195.189** is the 20% darker color. If you saturate the color by 10%, you get **65, 38.241, 194.622**, and if you desaturate by 10%, it is **65, 37.294, 194.871**.

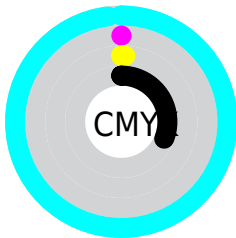
Distribution



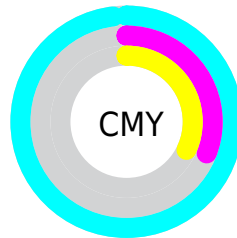
- Red (2%)
- Green (69%)
- Blue (68%)



- Red (2%)
- Yellow (36%)
- Blue (69%)



- Cyan (98%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)




- Cyan (98%)
- Magenta (31%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 38.089, 194.669 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, 38.089, 194.669 by changing the saturation by 10% instead.

 65, 38.089,
194.669

 65, 38.089,
194.669


 100, 38.089,
194.669

 55, 38.089,
194.669

 85, 38.089,
194.669

 45, 38.089,
194.669

 95, 38.089,
194.669

 35, 38.089,
194.669

 25, 38.089,
194.669

 15, 38.089,
194.669

 5, 38.089, 194.669

 0, 38.089, 194.669

■ 65, 38.089,
194.669

■ 65, 38.089,
194.669

■ 65, 38.241,
194.622

■ 65, 37.294,
194.871

■ 65, 35.824,
195.106

■ 66, 33.567,
195.382

■ 66, 30.501,
195.705

■ 67, 26.650,
196.078

■ 68, 22.077,
196.502

■ 68, 16.869,
196.975

■ 70, 11.128,

197.499

■ 71, 4.956, 198.099

Harmonies

Complementary

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



65, 38.089, 194.669



37, 77.229, 38.797

Rectangle

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



65, 38.089, 194.669



65, 38.089, 244.669



65, 38.089, 14.669



65, 38.089, 64.669

Sweetspot

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



65, 38.089, 194.668



87, 21.817, 196.884



63, 89.960, 136.043



46, 14.715, 196.685



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, 38.089, 194.668



83, 46.682, 194.592



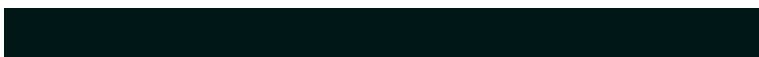
39, 51.420, 281.202



36, 3.607, 197.991



56, 34.094, 194.644



6, 7.806, 197.985

Inverse Universe

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



37, 77.229, 38.797



48, 96.079, 39.633



47, 63.718, 59.871



34, 3.817, 18.967



31, 69.555, 38.984



2, 7.804, 18.614

Previews

White Background



This preview shows how the CIE LCh color 65, 38.089, 194.669 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, 38.089, 194.669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

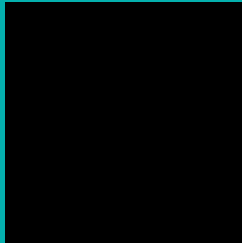
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 38.089, 194.669

Background



This preview shows how black text looks on a background with the CIELCh color 65, 38.089, 194.669.

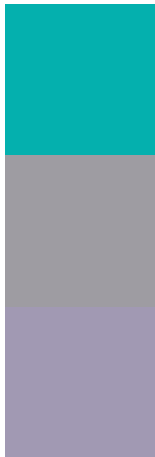


This preview shows how white text looks on a background with the CIELCh color 65, 38.089, 194.669.

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, 38.124, 194.668

Protanopia

65, 3.439, 303.229

Deuteranopia

65, 14.832, 302.957

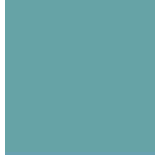


Tritanopia
65, 34.613, 209.951

Trichromacy



Original Color
65, 38.124, 194.668



Protanomaly
63, 20.418, 202.442



Deuteranomaly
63, 20.201, 224.527



Tritanomaly
65, 35.886, 203.820

Monochromacy



Original Color
65, 38.124, 194.668



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 21.294, 195.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 38.089, 194.669 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(4, 176, 174)` looks like.

```
.text, #text, p{  
    color:rgb(4, 176, 174)  
}
```

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(4, 176, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 176, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 38.089, 194.669 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(4, 176, 174) }
```

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

```
.border{ border-color:rgb(4, 176, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 176, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 176, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 176, 174);  
box-shadow:4px 4px 4px 4px rgb(4, 176,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 38.089, 194.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 176, 174) }
```

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

```
.background{ background-color: rgb(4, 176,  
174) }
```

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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