

Converting Colors

CIELCh(65, 34.963, 192.561)

Have a look what the booklet for
CIELCh(65, 34.963, 192.561)
contains.

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Color

CIELCh(65, 35.094, 191.969)

Conversions

Conversions Part 1

Format	Color
Hex	30AFAA
RGB	48, 175, 170
RGB Percent	19%, 69%, 67%
CMY	0.8099, 0.3151, 0.3347
CMYK	0.72, 0.00, 0.03, 0.32
HSL	178°, 57%, 44%
HSV	178°, 72%, 68%
XYZ	23.7225, 34.0472, 43.1746
YIQ	136.4570, -74.0870, -28.4790

Conversions

Conversions Part 2

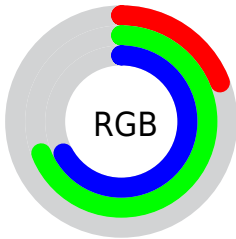
Format	Color
RYB	48, 113, 175
Decimal	3190698
CIELab	65.00, -34.33, -7.28
CIELCh	65, 35.094, 191.969
Yxy	34.0472, 0.2350, 0.3373
Android (android.graphics.Color)	4281380778 (0xFF30AFAA)
YUV	136.4570, 16.5367, -77.5768
Hunter-Lab	58.3500, -29.5422, -3.0252

Details

The CIELCh color **65, 35.094, 191.969** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **40, 57.891, 28.297**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 35.240, 191.877**, and **46, 29.776, 191.646** is the 20% darker color. If you saturate the color by 10%, you get **65, 37.098, 191.451**, and if you desaturate by 10%, it is **65, 32.289, 192.488**.

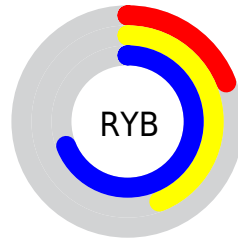
Distribution



Red (19%)

Green (69%)

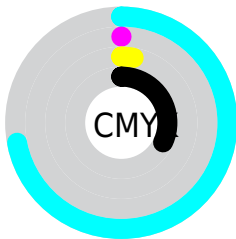
Blue (67%)



Red (19%)

Yellow (44%)

Blue (69%)

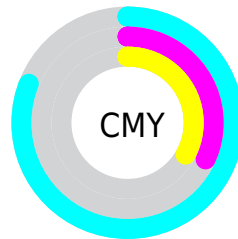


Cyan (72%)

Magenta (0%)

Yellow (3%)

Black (32%)



Cyan (81%)


Magenta (32%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 35.094, 191.969 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, 35.094, 191.969 by changing the saturation by 10% instead.


 65, 35.094,
191.969


 65, 35.094,
191.969


 100, 35.094,
191.969


 55, 35.094,
191.969


 85, 35.094,
191.969

 45, 35.094,
191.969

 95, 35.094,
191.969

 35, 35.094,
191.969

 25, 35.094,
191.969

 15, 35.094,
191.969

 5, 35.094, 191.969

 0, 35.094, 191.969

65, 35.094,
191.969

65, 35.094,
191.969

65, 37.098,
191.451

65, 32.289,
192.488

65, 38.343,
190.927

66, 28.695,
193.021

64, 38.952,
190.515

67, 24.362,
193.574

68, 19.371,
194.151

69, 13.821,
194.756

70, 7.817, 195.399

71, 1.460, 196.307

72, 5.155, 16.521

Harmonies

Complementary

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



65, 35.094, 191.969



40, 57.891, 28.297

Rectangle

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



65, 35.094, 191.969



65, 35.094, 241.969



65, 35.094, 11.969



65, 35.094, 61.969

Sweetspot

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



65, 35.094, 191.968



87, 16.912, 194.747



63, 77.089, 137.277



46, 11.360, 194.584



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, 35.094, 191.968



82, 46.173, 191.124



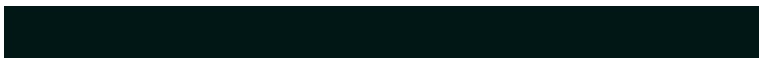
48, 36.536, 266.190



36, 3.620, 195.603



56, 34.888, 190.582



6, 7.838, 194.608

Inverse Universe

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



40, 57.891, 28.297



49, 85.594, 34.504



51, 48.263, 61.680



34, 3.819, 16.702



31, 68.547, 37.849



2, 7.815, 16.718

Previews

White Background



This preview shows how the CIE LCh color 65, 35.094, 191.969 looks on a white background.

Color Contrast Check

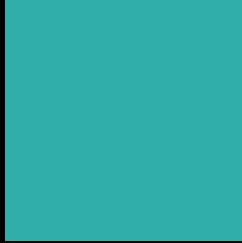
Large Text (above 18pt) WCAG AA × Fail

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, 35.094, 191.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

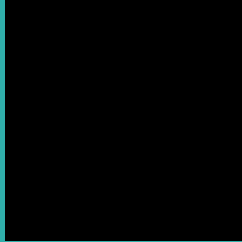
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

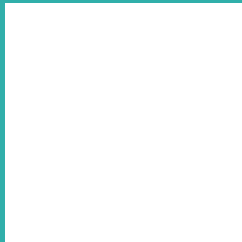
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 35.094, 191.969

Background



This preview shows how black text looks on a background with the CIELCh color 65, 35.094, 191.969.

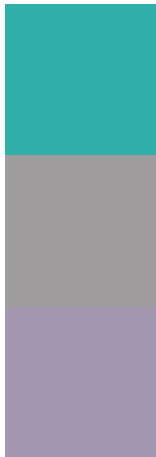


This preview shows how white text looks on a background with the CIELCh color 65, 35.094, 191.969.

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](#).

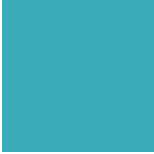
Dichromacy



Original Color
65, 35.225, 191.976

Protanopia
65, 1.613, 335.612

Deuteranopia
64, 13.509, 308.902



Tritanopia
65, 31.414, 211.555

Trichromacy



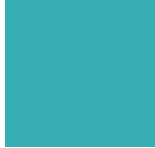
Original Color
65, 35.225, 191.976



Protanomaly
64, 15.561, 196.003



Deuteranomaly
64, 14.979, 227.590



Tritanomaly
65, 32.402, 203.832

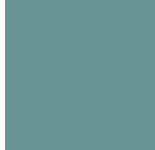
Monochromacy



Original Color
65, 35.225, 191.976



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 16.411, 193.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 35.094, 191.969 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(48, 175, 170)` looks like.

```
.text, #text, p{  
    color:rgb(48, 175, 170)  
}
```

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(48, 175, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 175, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 35.094, 191.969 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(48, 175, 170) }
```

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

```
.border{ border-color:rgb(48, 175, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 175, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 175, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 175, 170);  
box-shadow:4px 4px 4px 4px rgb(48, 175,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 35.094, 191.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 175, 170) }
```

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

```
.background{ background-color: rgb(48, 175,  
170) }
```

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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