

Converting Colors

CIELCh(65, 33.731, 197.648)

Have a look what the booklet for
CIELCh(65, 33.731, 197.648)
contains.

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Color

CIELCh(65, 33.731, 197.648)

Conversions

Conversions Part 1

Format	Color
Hex	33AEAF
RGB	51, 174, 175
RGB Percent	20%, 68%, 69%
CMY	0.8002, 0.3178, 0.3139
CMYK	0.71, 0.01, 0.00, 0.31
HSL	180°, 55%, 44%
HSV	180°, 71%, 69%
XYZ	24.2205, 34.0472, 45.8261
YIQ	137.3370, -73.6290, -25.7650

Conversions

Conversions Part 2

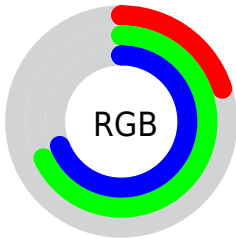
Format	Color
RYB	51, 113, 175
Decimal	3387055
CIELab	65.00, -32.14, -10.23
CIELCh	65, 33.731, 197.648
Yxy	34.0472, 0.2327, 0.3271
Android (android.graphics.Color)	4281577135 (0xFF33AEAF)
YUV	137.3370, 18.5679, -75.7175
Hunter-Lab	58.3500, -28.0188, -5.7194

Details

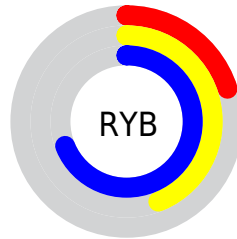
The CIELCh color **65, 33.731, 197.648** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **41, 57.772, 30.808**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 33.842, 197.174**, and **46, 28.571, 198.857** is the 20% darker color. If you saturate the color by 10%, you get **65, 35.642, 197.577**, and if you desaturate by 10%, it is **65, 31.015, 197.793**.

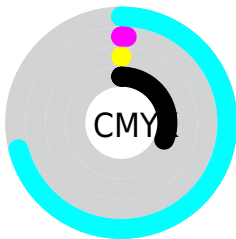
Distribution



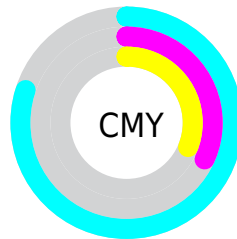
- Red (20%)
- Green (68%)
- Blue (69%)



- Red (20%)
- Yellow (44%)
- Blue (69%)



- Cyan (71%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)





- Cyan (80%)
- Magenta (32%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 33.731, 197.648 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, 33.731, 197.648 by changing the saturation by 10% instead.

 65, 33.731,
197.648


 65, 33.731,
197.648


 100, 33.731,
197.648


 55, 33.731,
197.648


 85, 33.731,
197.648

 45, 33.731,
197.648

 95, 33.731,
197.648

 35, 33.731,
197.648

 25, 33.731,
197.648

 15, 33.731,
197.648

 5, 33.731, 197.648

 0, 33.731, 197.648

65, 33.731,
197.648

65, 33.731,
197.648

65, 35.642,
197.577

65, 31.015,
197.793

64, 36.789,
197.581

66, 27.506,
198.015

64, 37.348,
197.633

67, 23.252,
198.311

68, 18.334,
198.674

69, 12.847,
199.101

70, 6.893, 199.600

71, 0.573, 200.909

73, 6.022, 20.493

Harmonies

Complementary

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



65, 33.731, 197.648



41, 57.772, 30.808

Rectangle

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



65, 33.731, 197.648



65, 33.731, 247.648



65, 33.731, 17.648



65, 33.731, 67.648

Sweetspot

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



65, 33.731, 197.647



87, 15.938, 199.079



63, 76.917, 138.104



46, 10.777, 198.958



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, 33.731, 197.647



82, 44.180, 197.570



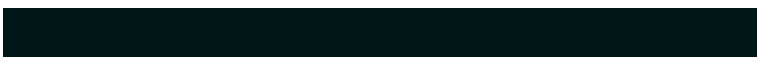
46, 38.817, 271.541



36, 3.574, 199.691



56, 33.426, 197.618



6, 7.707, 200.430

Inverse Universe

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



45, 75.151, 328.028



55, 101.220, 328.389



53, 47.259, 66.469



34, 6.555, 325.138



35, 77.480, 328.549



2, 13.745, 324.757

Previews

White Background



This preview shows how the CIE LCh color 65, 33.731, 197.648 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, 33.731, 197.648 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

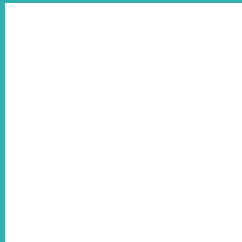
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 33.731, 197.648

Background



This preview shows how black text looks on a background with the CIELCh color 65, 33.731, 197.648.

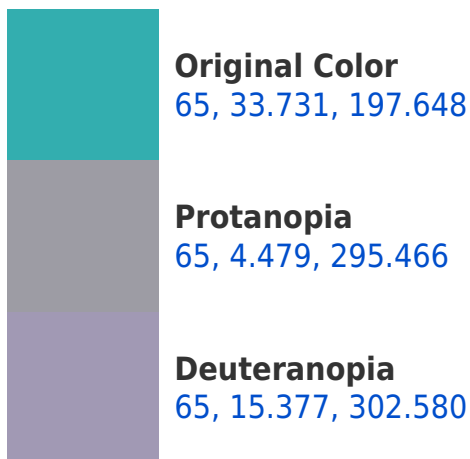


This preview shows how white text looks on a background with the CIELCh color 65, 33.731, 197.648.

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, 31.557, 211.478

Trichromacy



Original Color
65, 33.731, 197.648



Protanomaly
64, 15.725, 208.408



Deuteranomaly
64, 16.202, 234.521



Tritanomaly
65, 32.285, 205.910

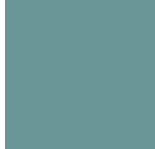
Monochromacy



Original Color
65, 33.731, 197.648



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 15.545, 200.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 33.731, 197.648 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(51, 174, 175)` looks like.

```
.text, #text, p{  
    color:rgb(51, 174, 175)  
}
```

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(51, 174, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 174, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 33.731, 197.648 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(51, 174, 175) }
```

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

```
.border{ border-color:rgb(51, 174, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 174, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 174, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 174, 175);  
box-shadow:4px 4px 4px 4px rgb(51, 174,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 33.731, 197.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 174, 175) }
```

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

```
.background{ background-color: rgb(51, 174,  
175) }
```

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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