

Converting Colors

CIELCh(65, 33.866, 188.047)

Have a look what the booklet for
CIELCh(65, 33.866, 188.047)
contains.

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Color

CIELCh(65, 33.866, 188.047)

Conversions

Conversions Part 1

Format	Color
Hex	3DAEA5
RGB	61, 174, 165
RGB Percent	24%, 68%, 65%
CMY	0.7601, 0.3171, 0.3524
CMYK	0.65, 0.00, 0.05, 0.32
HSL	175°, 48%, 46%
HSV	175°, 65%, 68%
XYZ	23.9035, 34.0472, 40.9765
YIQ	139.1870, -64.4590, -26.7550

Conversions

Conversions Part 2

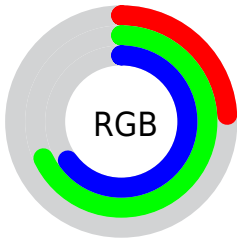
Format	Color
RYB	61, 120, 174
Decimal	4042405
CIELab	65.00, -33.53, -4.74
CIELCh	65, 33.866, 188.047
Yxy	34.0472, 0.2416, 0.3442
Android (android.graphics.Color)	4282232485 (0xFF3DAEA5)
YUV	139.1870, 12.7258, -68.5700
Hunter-Lab	58.3500, -28.9885, -0.7917

Details

The CIELCh color **65, 33.866, 188.047** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **42, 50.717, 23.039**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 33.871, 188.121**, and **45, 30.508, 187.087** is the 20% darker color. If you saturate the color by 10%, you get **65, 36.658, 187.238**, and if you desaturate by 10%, it is **66, 30.290, 188.817**.

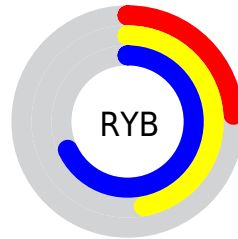
Distribution



Red (24%)

Green (68%)

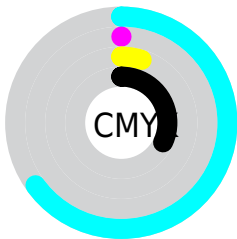
Blue (65%)



Red (24%)

Yellow (47%)

Blue (68%)

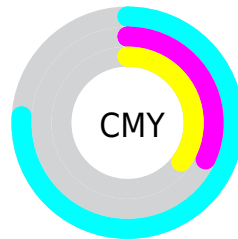


Cyan (65%)

Magenta (0%)

Yellow (5%)

Black (32%)



Cyan (76%)


Magenta (32%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 33.866, 188.047 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, 33.866, 188.047 by changing the saturation by 10% instead.


 65, 33.866,
188.047


 65, 33.866,
188.047


 100, 33.866,
188.047


 55, 33.866,
188.047


 85, 33.866,
188.047

 45, 33.866,
188.047

 95, 33.866,
188.047

 35, 33.866,
188.047

 25, 33.866,
188.047

 15, 33.866,
188.047

 5, 33.866, 188.047

 0, 33.866, 188.047

■ 65, 33.866,
188.047

■ 65, 33.866,
188.047

■ 65, 36.658,
187.238

■ 66, 30.290,
188.817

■ 64, 38.661,
186.379

■ 66, 25.977,
189.566

■ 64, 39.931,
185.453

■ 67, 21.007,
190.304

■ 64, 40.434,
184.968

■ 68, 15.480,
191.038

■ 69, 9.501, 191.781

■ 70, 3.174, 192.606

■ 72, 3.404, 13.030

■ 73, 10.149, 13.844

■ 75, 16.993, 14.578

Harmonies

Complementary

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



65, 33.866, 188.047



42, 50.717, 23.039

Rectangle

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



65, 33.866, 188.047



65, 33.866, 238.047



65, 33.866, 8.047



65, 33.866, 58.047

Sweetspot

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



65, 33.866, 188.046



87, 14.894, 191.447



63, 70.375, 137.374



46, 10.256, 191.239



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, 33.866, 188.046



82, 45.896, 186.858



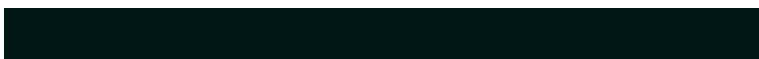
51, 31.729, 259.124



36, 3.648, 192.213



56, 36.271, 185.091



6, 7.926, 189.975

Inverse Universe

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



42, 50.717, 23.039



51, 75.697, 28.224



52, 42.765, 59.399



34, 3.833, 13.465



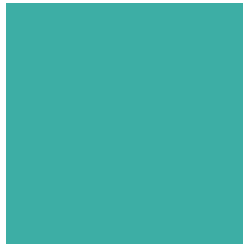
31, 67.124, 36.130



2, 7.846, 14.010

Previews

White Background



This preview shows how the CIELCh color 65, 33.866, 188.047 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, 33.866, 188.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

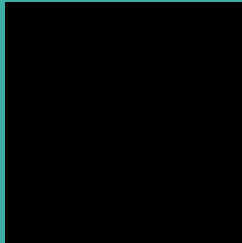
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

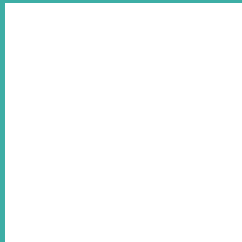
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 33.866, 188.047

Background



This preview shows how black text looks on a background with the CIELCh color 65, 33.866, 188.047.

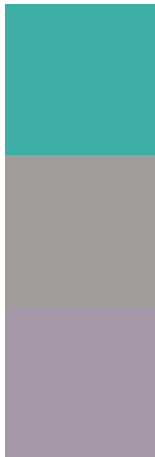


This preview shows how white text looks on a background with the CIELCh color 65, 33.866, 188.047.

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, 33.866, 188.047

Protanopia
65, 1.890, 55.189

Deuteranopia
65, 11.369, 318.579



Tritanopia
65, 29.300, 212.785

Trichromacy



Original Color
65, 33.866, 188.047



Protanomaly
64, 14.422, 186.960



Deuteranomaly
64, 12.023, 220.438



Tritanomaly
65, 30.369, 203.367

Monochromacy



Original Color
65, 33.866, 188.047



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 14.911, 191.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 33.866, 188.047 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(61, 174, 165)` looks like.

```
.text, #text, p{  
    color:rgb(61, 174, 165)  
}
```

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(61, 174, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 174, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 33.866, 188.047 is called "border". The border property can be set on classes, ids or directly on the HTML element.

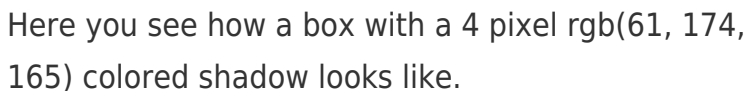
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(61, 174, 165) }
```

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

```
.border{ border-color:rgb(61, 174, 165) }
```

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



Here you see how a box with a 4 pixel `rgb(61, 174, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 174, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 174, 165);  
box-shadow:4px 4px 4px 4px rgb(61, 174,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 33.866, 188.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 174, 165) }
```

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

```
.background{ background-color: rgb(61, 174,  
165) }
```

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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