

Converting Colors

CIELCh(65, 33.383, 187.984)

Have a look what the booklet for
CIELCh(65, 33.383, 187.984)
contains.

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Color

CIELCh(65, 33.353, 187.957)

Conversions

Conversions Part 1

Format	Color
Hex	40AEA5
RGB	64, 174, 165
RGB Percent	25%, 68%, 65%
CMY	0.7493, 0.3179, 0.3532
CMYK	0.63, 0.00, 0.05, 0.32
HSL	175°, 46%, 47%
HSV	175°, 63%, 68%
XYZ	24.0174, 34.0472, 40.8713
YIQ	140.0840, -62.6710, -26.1190

Conversions

Conversions Part 2

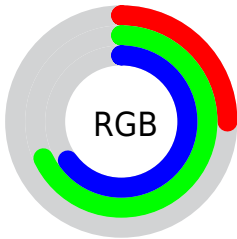
Format	Color
RYB	64, 121, 174
Decimal	4239013
CIELab	65.00, -33.03, -4.62
CIElCh	65, 33.353, 187.957
Yxy	34.0472, 0.2428, 0.3441
Android (android.graphics.Color)	4282429093 (0xFF40AEA5)
YUV	140.0840, 12.2836, -66.7257
Hunter-Lab	58.3500, -28.6400, -0.6848

Details

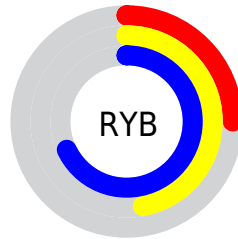
The CIELCh color **65, 33.353, 187.957** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **43, 49.297, 22.394**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 33.407, 188.028**, and **45, 30.508, 187.087** is the 20% darker color. If you saturate the color by 10%, you get **65, 36.283, 187.141**, and if you desaturate by 10%, it is **66, 29.646, 188.734**.

Distribution



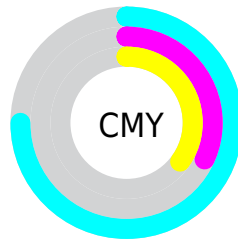
- Red (25%)
- Green (68%)
- Blue (65%)



- Red (25%)
- Yellow (47%)
- Blue (68%)



- Cyan (63%)
- Magenta (0%)
- Yellow (5%)
- Black (32%)





- Cyan (75%)
- Magenta (32%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 33.353, 187.957 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, 33.353, 187.957 by changing the saturation by 10% instead.


 65, 33.353,
187.957


 65, 33.353,
187.957


 100, 33.353,
187.957


 55, 33.353,
187.957


 85, 33.353,
187.957

 45, 33.353,
187.957

 95, 33.353,
187.957

 35, 33.353,
187.957

 25, 33.353,
187.957

 15, 33.353,
187.957

 5, 33.353, 187.957

 0, 33.353, 187.957

■ 65, 33.353,
187.957

■ 65, 33.353,
187.957

■ 65, 36.283,
187.141

■ 66, 29.646,
188.734

■ 64, 38.422,
186.276

■ 66, 25.214,
189.490

■ 64, 39.815,
185.343

■ 67, 20.144,
190.234

■ 64, 40.487,
184.690

■ 68, 14.534,
190.975

■ 69, 8.493, 191.727

■ 71, 2.122, 192.625

■ 72, 4.485, 13.012

■ 74, 11.245, 13.798

■ 75, 18.091, 14.530

Harmonies

Complementary

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



65, 33.353, 187.957



43, 49.297, 22.394

Rectangle

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



65, 33.353, 187.957



65, 33.353, 237.957



65, 33.353, 7.957



65, 33.353, 57.957

Sweetspot

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



65, 33.353, 187.956



87, 14.904, 191.266



63, 68.876, 137.515



46, 10.263, 191.057



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, 33.353, 187.956



82, 45.447, 186.794



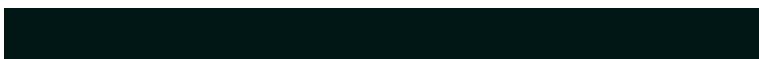
51, 31.022, 258.566



36, 3.650, 192.037



56, 36.351, 184.815



6, 7.932, 189.740

Inverse Universe

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



43, 49.297, 22.394



51, 73.764, 27.265



52, 41.486, 59.554



34, 3.834, 13.296



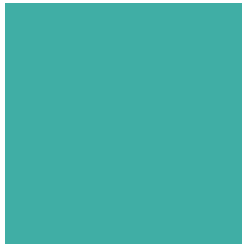
31, 67.043, 36.029



2, 7.848, 13.869

Previews

White Background



This preview shows how the CIELCh color 65, 33.353, 187.957 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, 33.353, 187.957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

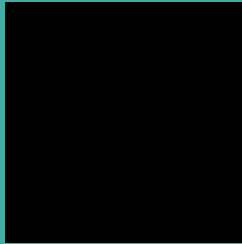
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 33.353, 187.957

Background



This preview shows how black text looks on a background with the CIELCh color 65, 33.353, 187.957.

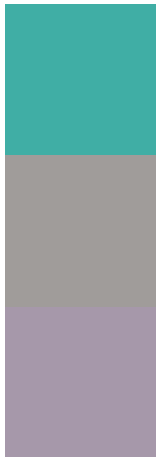


This preview shows how white text looks on a background with the CIELCh color 65, 33.353, 187.957.

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, 33.353, 187.957

Protanopia
65, 1.890, 55.189

Deuteranopia
65, 11.369, 318.579



Tritanopia
65, 28.946, 213.005

Trichromacy



Original Color
65, 33.353, 187.957



Protanomaly
64, 14.094, 186.729



Deuteranomaly
64, 11.717, 221.062

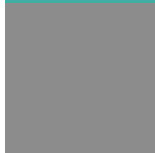


Tritanomaly
65, 29.834, 203.523

Monochromacy



Original Color
65, 33.353, 187.957



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 14.586, 191.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 33.353, 187.957 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(64, 174, 165)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 174, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 174, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 33.353, 187.957 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(64, 174, 165) }
```

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

```
.border{ border-color:rgb(64, 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(64, 174, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 174, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 174, 165);  
box-shadow:4px 4px 4px 4px rgb(64, 174,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 33.353, 187.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 174, 165) }
```

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

```
.background{ background-color: rgb(64, 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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