

Converting Colors

CIELCh(63, 35.526, 177.734)

Have a look what the booklet for
CIELCh(63, 35.526, 177.734)
contains.

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Color

CIELCh(63, 35.361, 177.871)

Conversions

Conversions Part 1

Format	Color
Hex	3EA995
RGB	62, 169, 149
RGB Percent	24%, 66%, 58%
CMY	0.7567, 0.3371, 0.4155
CMYK	0.63, 0.00, 0.12, 0.34
HSL	169°, 46%, 45%
HSV	169°, 63%, 66%
XYZ	21.6122, 31.5869, 33.4073
YIQ	134.7270, -57.3520, -28.9040

Conversions

Conversions Part 2

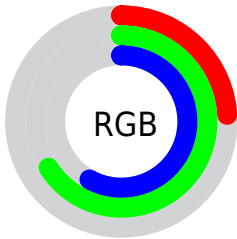
Format	Color
RYB	62, 121, 169
Decimal	4106645
CIELab	63.00, -35.34, 1.31
CIElCh	63, 35.361, 177.871
Yxy	31.5869, 0.2495, 0.3647
Android (android.graphics.Color)	4282296725 (0xFF3EA995)
YUV	134.7270, 7.0366, -63.7816
Hunter-Lab	56.2022, -29.7129, 4.0989

Details

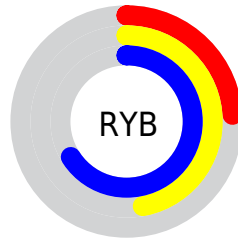
The CIELCh color **63, 35.361, 177.871** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **42, 46.985, 14.416**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.505, 177.749**, and **43, 32.597, 176.346** is the 20% darker color. If you saturate the color by 10%, you get **63, 38.881, 176.541**, and if you desaturate by 10%, it is **64, 31.125, 179.079**.

Distribution



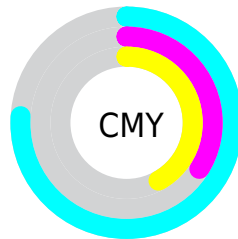
- Red (24%)
- Green (66%)
- Blue (58%)



- Red (24%)
- Yellow (47%)
- Blue (66%)



- Cyan (63%)
- Magenta (0%)
- Yellow (12%)
- Black (34%)





- Cyan (76%)
- Magenta (34%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 35.361, 177.871 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 63, 35.361, 177.871 by changing the saturation by 10% instead.


 63, 35.361,
177.871


 63, 35.361,
177.871


 100, 35.361,
177.871


 53, 35.361,
177.871


 83, 35.361,
177.871

 43, 35.361,
177.871

 93, 35.361,
177.871

 33, 35.361,
177.871

 23, 35.361,
177.871

 13, 35.361,
177.871

 3, 35.361, 177.871

 0, 35.361, 177.871

■ 63, 35.361,
177.871

■ 63, 35.361,
177.871

■ 63, 38.881,
176.541

■ 64, 31.125,
179.079

■ 62, 41.659,
175.071

■ 64, 26.239,
180.192

■ 62, 43.727,
173.445

■ 65, 20.794,
181.228

■ 62, 44.872,
172.315

■ 66, 14.897,
182.204

■ 67, 8.656, 183.144

■ 69, 2.171, 184.177

■ 70, 4.468, 4.709

■ 72, 11.188, 5.582

■ 73, 17.927, 6.383

Harmonies

Complementary

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



63, 35.361, 177.871



42, 46.985, 14.416

Rectangle

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



63, 35.361, 177.871



63, 35.361, 227.871



63, 35.361, 357.871



63, 35.361, 47.871

Sweetspot

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



63, 35.361, 177.870



84, 15.134, 182.579



62, 65.316, 135.095



44, 10.345, 182.320



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63, 35.361, 177.870



79, 48.687, 175.962



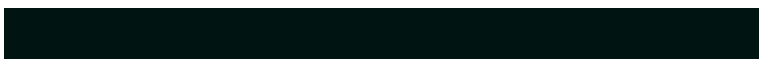
54, 27.265, 241.168



35, 3.692, 183.522



55, 40.573, 172.527



5, 7.007, 179.852

Inverse Universe

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



42, 46.985, 14.416



50, 68.607, 19.324



48, 41.802, 48.855



33, 3.833, 5.026



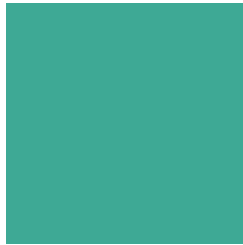
30, 61.872, 29.377



1, 6.770, 6.274

Previews

White Background



This preview shows how the CIELCh color 63, 35.361, 177.871 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 63, 35.361, 177.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

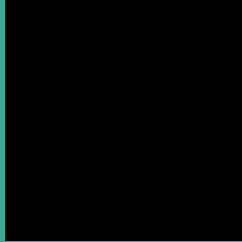
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 35.361, 177.871

Background



This preview shows how black text looks on a background with the CIELCh color 63, 35.361, 177.871.

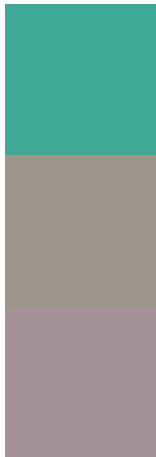


This preview shows how white text looks on a background with the CIELCh color 63, 35.361, 177.871.

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
63, 35.361, 177.871

Protanopia
63, 7.097, 89.702

Deuteranopia
63, 8.026, 351.044



Tritanopia
63, 27.468, 212.804

Trichromacy



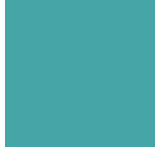
Original Color
63, 35.361, 177.871



Protanomaly
62, 16.037, 166.329



Deuteranomaly
62, 10.167, 188.942



Tritanomaly
63, 28.954, 198.105

Monochromacy



Original Color
63, 35.361, 177.871



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 14.982, 182.521

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 35.361, 177.871 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(62, 169, 149)` looks like.

```
.text, #text, p{  
    color:rgb(62, 169, 149)  
}
```

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(62, 169, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 169, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 35.361, 177.871 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(62, 169, 149) }
```

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

```
.border{ border-color:rgb(62, 169, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 169, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 169, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 169, 149);  
box-shadow:4px 4px 4px 4px rgb(62, 169,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 35.361, 177.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 169, 149) }
```

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

```
.background{ background-color: rgb(62, 169,  
149) }
```

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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