

Converting Colors

CIELCh(63, 37.423, 171.616)

Have a look what the booklet for
CIELCh(63, 37.423, 171.616)
contains.

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Color

CIELCh(63, 37.102, 172.180)

Conversions

Conversions Part 1

Format	Color
Hex	40A98E
RGB	64, 169, 142
RGB Percent	25%, 66%, 56%
CMY	0.7473, 0.3357, 0.4417
CMYK	0.62, 0.00, 0.16, 0.34
HSL	165°, 45%, 46%
HSV	165°, 62%, 66%
XYZ	21.3119, 31.5869, 30.7087
YIQ	134.5270, -53.9130, -30.6570

Conversions

Conversions Part 2

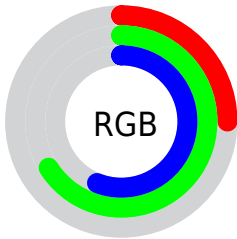
Format	Color
RYB	64, 124, 169
Decimal	4237710
CIELab	63.00, -36.76, 5.05
CIElCh	63, 37.102, 172.180
Yxy	31.5869, 0.2549, 0.3778
Android (android.graphics.Color)	4282427790 (0xFF40A98E)
YUV	134.5270, 3.6842, -61.8522
Hunter-Lab	56.2022, -30.6668, 6.9457

Details

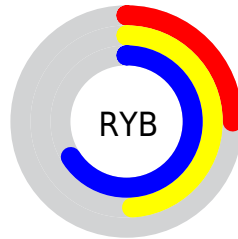
The CIELCh color **63, 37.102, 172.180** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **43, 45.938, 8.562**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 37.163, 172.413**, and **43, 34.690, 170.988** is the 20% darker color. If you saturate the color by 10%, you get **62, 41.226, 170.671**, and if you desaturate by 10%, it is **64, 32.297, 173.537**.

Distribution



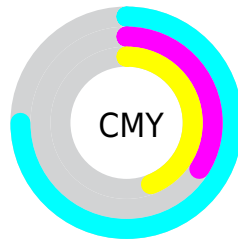
- Red (25%)
- Green (66%)
- Blue (56%)



- Red (25%)
- Yellow (49%)
- Blue (66%)



- Cyan (62%)
- Magenta (0%)
- Yellow (16%)
- Black (34%)





- Cyan (75%)
- Magenta (34%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 37.102, 172.180 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, 37.102, 172.180 by changing the saturation by 10% instead.


 63, 37.102,
172.180


 63, 37.102,
172.180


 100, 37.102,
172.180


 53, 37.102,
172.180


 83, 37.102,
172.180

 43, 37.102,
172.180

 93, 37.102,
172.180

 33, 37.102,
172.180

 23, 37.102,
172.180

 13, 37.102,
172.180

 3, 37.102, 172.180

 0, 37.102, 172.180

■ 63, 37.102,
172.180

■ 63, 37.102,
172.180

■ 62, 41.226,
170.671

■ 64, 32.297,
173.537

■ 62, 44.629,
168.992

■ 64, 26.889,
174.770

■ 62, 47.328,
167.128

■ 65, 20.979,
175.901

■ 62, 49.152,
165.561

■ 66, 14.678,
176.950

■ 68, 8.097, 177.943

■ 69, 1.333, 179.128

■ 71, 5.526, 359.586

■ 72, 12.412, 0.452

■ 74, 19.269, 1.251

Harmonies

Complementary

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



63, 37.102, 172.180



43, 45.938, 8.562

Rectangle

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



63, 37.102, 172.180



63, 37.102, 222.180



63, 37.102, 352.180



63, 37.102, 42.180

Sweetspot

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



63, 37.102, 172.179



84, 15.732, 177.214



63, 63.040, 133.536



44, 10.767, 176.937



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, 37.102, 172.179



79, 51.462, 170.128



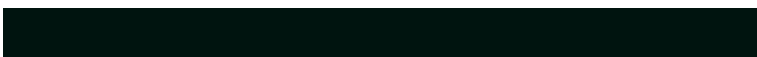
56, 26.387, 230.024



35, 3.822, 178.208



54, 44.329, 165.810



5, 7.318, 174.067

Inverse Universe

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



43, 45.938, 8.562



51, 66.015, 12.865



47, 42.082, 43.217



33, 3.940, 359.779



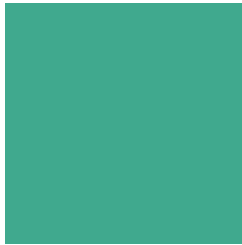
30, 59.319, 23.743



1, 6.932, 1.616

Previews

White Background



This preview shows how the CIE LCh color 63, 37.102, 172.180 looks on a white background.

Color Contrast Check

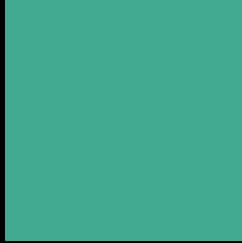
Large Text (above 18pt) WCAG AA × Fail

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, 37.102, 172.180 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, 37.102, 172.180

Background



This preview shows how black text looks on a background with the CIELCh color 63, 37.102, 172.180.

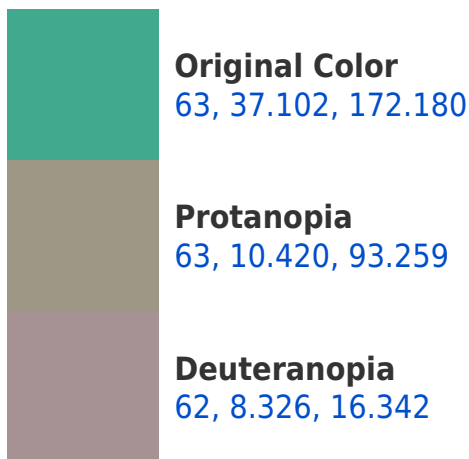


This preview shows how white text looks on a background with the CIELCh color 63, 37.102, 172.180.

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
63, 26.514, 214.755

Trichromacy



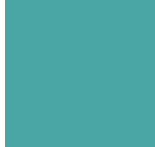
Original Color
63, 37.102, 172.180



Protanomaly
62, 18.050, 154.853



Deuteranomaly
62, 11.089, 168.000



Tritanomaly
63, 28.585, 195.865

Monochromacy



Original Color
63, 37.102, 172.180



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 15.661, 176.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 37.102, 172.180 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, 169, 142)` looks like.

```
.text, #text, p{  
    color:rgb(64, 169, 142)  
}
```

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, 169, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 169, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 37.102, 172.180 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, 169, 142) }
```

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

```
.border{ border-color:rgb(64, 169, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 169, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 169, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 169, 142);  
box-shadow:4px 4px 4px 4px rgb(64, 169,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 37.102, 172.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 169, 142) }
```

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

```
.background{ background-color: rgb(64, 169,  
142) }
```

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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