

Converting Colors

CIELCh(63, 38.316, 170.180)

Have a look what the booklet for
CIELCh(63, 38.316, 170.180)
contains.

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Color

CIELCh(63, 38.446, 170.273)

Conversions

Conversions Part 1

Format	Color
Hex	3FAA8C
RGB	63, 170, 140
RGB Percent	25%, 67%, 55%
CMY	0.7541, 0.3343, 0.4519
CMYK	0.63, 0.00, 0.18, 0.33
HSL	163°, 46%, 46%
HSV	163°, 63%, 67%
XYZ	21.0736, 31.5869, 29.7032
YIQ	134.5870, -54.1420, -32.0140

Conversions

Conversions Part 2

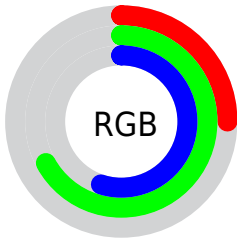
Format	Color
RYB	63, 125, 170
Decimal	4172428
CIELab	63.00, -37.89, 6.50
CIElCh	63, 38.446, 170.273
Yxy	31.5869, 0.2559, 0.3835
Android (android.graphics.Color)	4282362508 (0xFF3FAA8C)
YUV	134.5870, 2.6686, -62.7818
Hunter-Lab	56.2022, -31.4236, 8.0065

Details

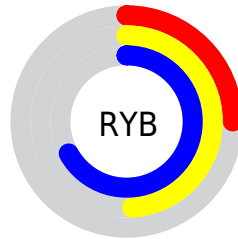
The CIELCh color **63, 38.446, 170.273** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **42, 46.820, 7.107**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 38.265, 170.510**, and **43, 35.950, 168.704** is the 20% darker color. If you saturate the color by 10%, you get **62, 42.667, 168.701**, and if you desaturate by 10%, it is **64, 33.545, 171.683**.

Distribution



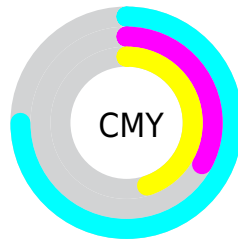
- Red (25%)
- Green (67%)
- Blue (55%)



- Red (25%)
- Yellow (49%)
- Blue (67%)



- Cyan (63%)
- Magenta (0%)
- Yellow (18%)
- Black (33%)





- Cyan (75%)
- Magenta (33%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 38.446, 170.273 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, 38.446, 170.273 by changing the saturation by 10% instead.


 63, 38.446,
170.273


 63, 38.446,
170.273


 100, 38.446,
170.273


 53, 38.446,
170.273


 83, 38.446,
170.273

 43, 38.446,
170.273

 93, 38.446,
170.273

 33, 38.446,
170.273

 23, 38.446,
170.273

 13, 38.446,
170.273

 3, 38.446, 170.273

 0, 38.446, 170.273

■ 63, 38.446,
170.273

■ 63, 38.446,
170.273

■ 62, 42.667,
168.701

■ 64, 33.545,
171.683

■ 62, 46.170,
166.949

■ 64, 28.039,
172.958

■ 62, 48.978,
165.006

■ 65, 22.033,
174.121

■ 62, 50.672,
163.615

■ 66, 15.637,
175.193

■ 68, 8.963, 176.201

■ 69, 2.112, 177.279

■ 71, 4.829, 357.857

■ 72, 11.789,
358.734

■ 74, 18.712,
359.533

Harmonies

Complementary

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



63, 38.446, 170.273



42, 46.820, 7.107

Rectangle

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



63, 38.446, 170.273



63, 38.446, 220.273



63, 38.446, 350.273



63, 38.446, 40.273

Sweetspot

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



63, 38.446, 170.272



85, 16.102, 175.573



63, 63.800, 133.051



45, 11.129, 175.289



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 38.446, 170.272



80, 54.057, 167.966



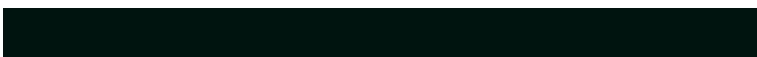
57, 26.737, 227.548



35, 3.870, 176.576



54, 45.612, 163.876



5, 7.428, 172.389

Inverse Universe

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



42, 46.820, 7.107



51, 67.809, 11.801



46, 43.457, 41.953



33, 3.981, 358.154



31, 58.630, 21.776



1, 6.994, 0.164

Previews

White Background



This preview shows how the CIELCh color 63, 38.446, 170.273 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, 38.446, 170.273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

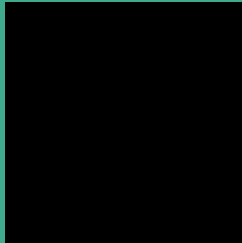
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 38.446, 170.273

Background



This preview shows how black text looks on a background with the CIELCh color 63, 38.446, 170.273.

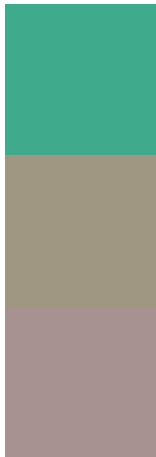


This preview shows how white text looks on a background with the CIELCh color 63, 38.446, 170.273.

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, 38.446, 170.273

Protanopia
63, 12.145, 93.265

Deuteranopia
62, 8.773, 23.831



Tritanopia
63, 26.514, 214.755

Trichromacy



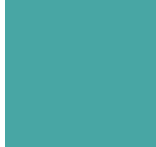
Original Color
63, 38.446, 170.273



Protanomaly
62, 18.873, 152.466



Deuteranomaly
62, 11.747, 163.391



Tritanomaly
63, 28.922, 194.723

Monochromacy



Original Color
63, 38.446, 170.273



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 15.940, 174.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 38.446, 170.273 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(63, 170, 140)` looks like.

```
.text, #text, p{  
    color:rgb(63, 170, 140)  
}
```

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(63, 170, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 170, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 38.446, 170.273 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(63, 170, 140) }
```

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

```
.border{ border-color:rgb(63, 170, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 170, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 170, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 170, 140);  
box-shadow:4px 4px 4px 4px rgb(63, 170,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 38.446, 170.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 170, 140) }
```

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

```
.background{ background-color: rgb(63, 170,  
140) }
```

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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