

Converting Colors

CIELCh(63, 37.718, 189.798)

Have a look what the booklet for
CIELCh(63, 37.718, 189.798)
contains.

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Color

CIELCh(63, 37.542, 190.246)

Conversions

Conversions Part 1

Format	Color
Hex	12AAA3
RGB	18, 170, 163
RGB Percent	7%, 67%, 64%
CMY	0.9312, 0.3327, 0.3601
CMYK	0.90, 0.00, 0.04, 0.33
HSL	177°, 81%, 37%
HSV	177°, 90%, 67%
XYZ	21.2727, 31.5869, 39.7033
YIQ	123.7540, -88.3450, -34.4010

Conversions

Conversions Part 2

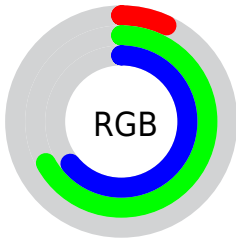
Format	Color
RYB	18, 96, 170
Decimal	1223331
CIELab	63.00, -36.94, -6.68
CIELCh	63, 37.542, 190.246
Yxy	31.5869, 0.2298, 0.3412
Android (android.graphics.Color)	4279413411 (0xFF12AAA3)
YUV	123.7540, 19.3483, -92.7463
Hunter-Lab	56.2022, -30.7913, -2.5431

Details

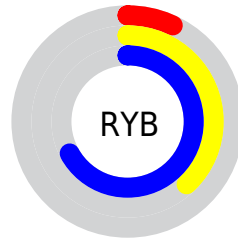
The CIELCh color **63, 37.542, 190.246** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **36, 69.423, 34.542**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 37.517, 190.335**, and **44, 29.365, 189.109** is the 20% darker color. If you saturate the color by 10%, you get **63, 38.405, 189.646**, and if you desaturate by 10%, it is **63, 36.098, 190.827**.

Distribution



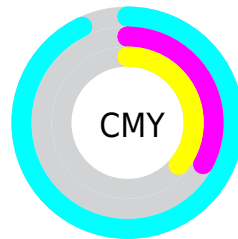
- Red (7%)
- Green (67%)
- Blue (64%)



- Red (7%)
- Yellow (38%)
- Blue (67%)



- Cyan (90%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)





- Cyan (93%)
- Magenta (33%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 37.542, 190.246 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, 37.542, 190.246 by changing the saturation by 10% instead.


 63, 37.542,
190.246


 63, 37.542,
190.246


 100, 37.542,
190.246


 53, 37.542,
190.246


 83, 37.542,
190.246

 43, 37.542,
190.246

 93, 37.542,
190.246

 33, 37.542,
190.246

 23, 37.542,
190.246

 13, 37.542,
190.246

 3, 37.542, 190.246

 0, 37.542, 190.246

■ 63, 37.542,
190.246

■ 63, 37.542,
190.246

■ 63, 38.405,
189.646

■ 63, 36.098,
190.827

■ 63, 38.430,
189.627

■ 64, 33.897,
191.394

■ 64, 30.913,
191.961

■ 65, 27.169,
192.535

■ 65, 22.724,
193.123

■ 66, 17.664,
193.731

■ 67, 12.089,
194.364

■ 68, 6.100, 195.040

Harmonies

Complementary

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



63, 37.542, 190.246



36, 69.423, 34.542

Rectangle

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



63, 37.542, 190.246



63, 37.542, 240.246



63, 37.542, 10.246



63, 37.542, 60.246

Sweetspot

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



63, 37.542, 190.245



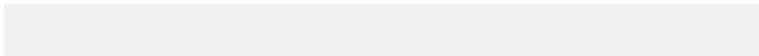
84, 20.084, 193.868



61, 85.293, 136.136



45, 13.487, 193.663



95, 0.011, 296.813



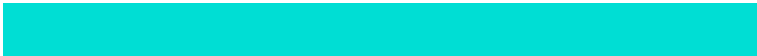
47, 0.006, 296.813

Same Dimension

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



63, 37.542, 190.245



80, 46.874, 189.510



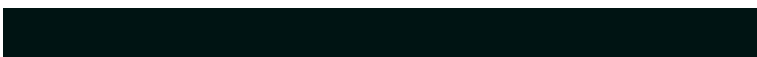
42, 43.344, 273.631



35, 3.535, 195.069



55, 34.649, 189.701



5, 6.608, 194.107

Inverse Universe

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



36, 69.423, 34.542



46, 92.291, 38.536



46, 58.907, 59.043



33, 3.726, 16.188



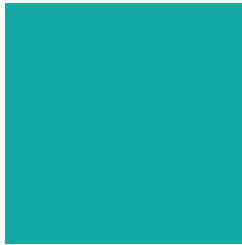
30, 67.402, 37.505



1, 6.588, 16.119

Previews

White Background



This preview shows how the CIELCh color 63, 37.542, 190.246 looks on a white background.

Color Contrast Check

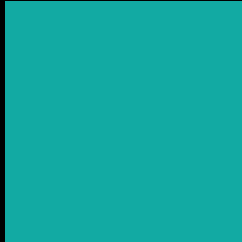
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 63, 37.542, 190.246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

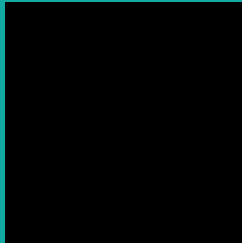
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 37.542, 190.246

Background



This preview shows how black text looks on a background with the CIELCh color 63, 37.542, 190.246.

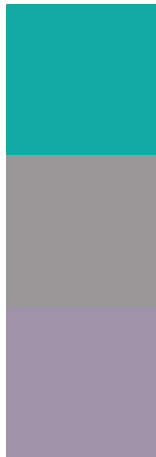


This preview shows how white text looks on a background with the CIELCh color 63, 37.542, 190.246.

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, 37.488, 190.242

Protanopia
63, 1.294, 353.568

Deuteranopia
62, 12.528, 310.432



Tritanopia
63, 32.846, 210.842

Trichromacy



Original Color
63, 37.488, 190.242



Protanomaly
61, 18.791, 194.291



Deuteranomaly
61, 17.143, 219.431



Tritanomaly
63, 34.111, 203.338

Monochromacy



Original Color
63, 37.488, 190.242



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 19.609, 192.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 37.542, 190.246 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(18, 170, 163)` looks like.

```
.text, #text, p{  
    color:rgb(18, 170, 163)  
}
```

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(18, 170, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 170, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 37.542, 190.246 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(18, 170, 163) }
```

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

```
.border{ border-color:rgb(18, 170, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 170, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 170, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 170, 163);  
box-shadow:4px 4px 4px 4px rgb(18, 170,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 37.542, 190.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 170, 163) }
```

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

```
.background{ background-color: rgb(18, 170,  
163) }
```

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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