

Converting Colors

CIELCh(63, 37.555, 175.725)

Have a look what the booklet for
CIELCh(63, 37.555, 175.725)
contains.

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Color

CIELCh(63, 37.727, 175.307)

Conversions

Conversions Part 1

Format	Color
Hex	38AA92
RGB	56, 170, 146
RGB Percent	22%, 67%, 57%
CMY	0.7812, 0.3340, 0.4281
CMYK	0.67, 0.00, 0.14, 0.33
HSL	167°, 51%, 44%
HSV	167°, 67%, 67%
XYZ	21.1348, 31.5869, 32.1072
YIQ	133.1780, -60.2400, -31.6320

Conversions

Conversions Part 2

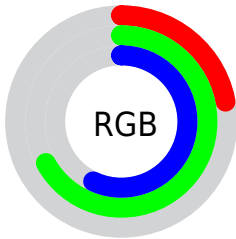
Format	Color
RYB	56, 120, 170
Decimal	3713682
CIELab	63.00, -37.60, 3.09
CIELCh	63, 37.727, 175.307
Yxy	31.5869, 0.2491, 0.3724
Android (android.graphics.Color)	4281903762 (0xFF38AA92)
YUV	133.1780, 6.3212, -67.6851
Hunter-Lab	56.2022, -31.2292, 5.4704

Details

The CIELCh color **63, 37.727, 175.307** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **41, 49.736, 13.786**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 37.688, 175.353**, and **44, 33.767, 173.731** is the 20% darker color. If you saturate the color by 10%, you get **63, 41.138, 173.842**, and if you desaturate by 10%, it is **64, 33.590, 176.629**.

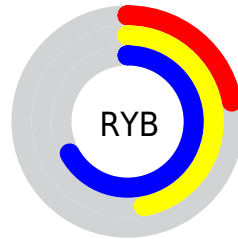
Distribution



Red (22%)

Green (67%)

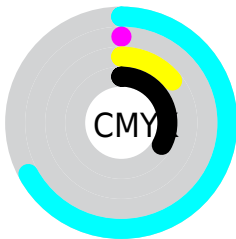
Blue (57%)



Red (22%)

Yellow (47%)

Blue (67%)

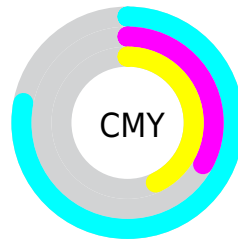


Cyan (67%)

Magenta (0%)

Yellow (14%)

Black (33%)



Cyan (78%)


Magenta (33%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 37.727, 175.307 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, 37.727, 175.307 by changing the saturation by 10% instead.


 63, 37.727,
175.307


 63, 37.727,
175.307


 100, 37.727,
175.307


 53, 37.727,
175.307


 83, 37.727,
175.307

 43, 37.727,
175.307

 93, 37.727,
175.307

 33, 37.727,
175.307

 23, 37.727,
175.307

 13, 37.727,
175.307

 3, 37.727, 175.307

 0, 37.727, 175.307

■ 63, 37.727,
175.307

■ 63, 37.727,
175.307

■ 63, 41.138,
173.842

■ 64, 33.590,
176.629

■ 62, 43.815,
172.216

■ 64, 28.782,
177.835

■ 62, 45.845,
170.435

■ 65, 23.389,
178.946

■ 62, 46.385,
169.933

■ 66, 17.516,
179.980

■ 67, 11.272,
180.959

■ 69, 4.762, 181.926

■ 70, 1.919, 2.468

■ 71, 8.692, 3.485

Harmonies

Complementary

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



63, 37.727, 175.307



41, 49.736, 13.786

Rectangle

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



63, 37.727, 175.307



63, 37.727, 225.307



63, 37.727, 355.307



63, 37.727, 45.307

Sweetspot

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



63, 37.727, 175.306



85, 16.248, 180.649



62, 68.525, 134.503



45, 11.119, 180.383



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, 37.727, 175.306



80, 52.062, 172.997



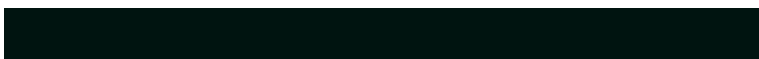
54, 28.239, 239.577



35, 3.732, 181.714



54, 41.779, 170.166



5, 7.105, 177.828

Inverse Universe

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



41, 49.736, 13.786



49, 72.333, 19.642



47, 45.406, 47.438



33, 3.865, 3.249



30, 60.964, 27.592



1, 6.819, 4.700

Previews

White Background



This preview shows how the CIELCh color 63, 37.727, 175.307 looks on a white background.

Color Contrast Check

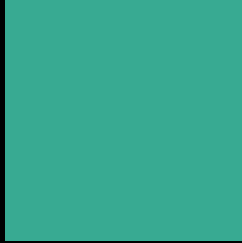
Large Text (above 18pt) WCAG AA × Fail

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, 37.727, 175.307 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, 37.727, 175.307

Background



This preview shows how black text looks on a background with the CIELCh color 63, 37.727, 175.307.

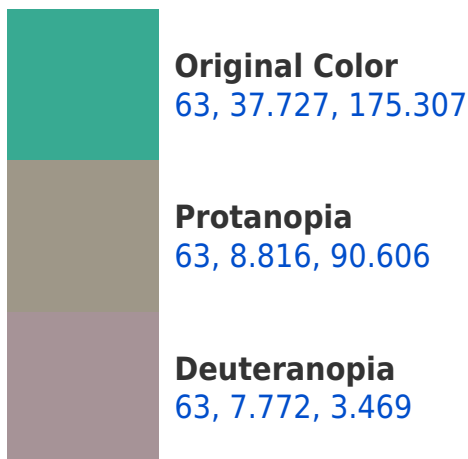


This preview shows how white text looks on a background with the CIELCh color 63, 37.727, 175.307.

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, 28.059, 213.647

Trichromacy



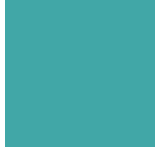
Original Color
63, 37.727, 175.307



Protanomaly
62, 17.363, 162.330



Deuteranomaly
62, 11.365, 181.093



Tritanomaly
63, 30.233, 196.884

Monochromacy



Original Color
63, 37.727, 175.307



Achromatopsia
56, 0.007, 296.813



Achromatomaly
57, 15.851, 181.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 37.727, 175.307 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(56, 170, 146)` looks like.

```
.text, #text, p{  
    color:rgb(56, 170, 146)  
}
```

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(56, 170, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 170, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 37.727, 175.307 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(56, 170, 146) }
```

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

```
.border{ border-color:rgb(56, 170, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 170, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 170, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 170, 146);  
box-shadow:4px 4px 4px 4px rgb(56, 170,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 37.727, 175.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 170, 146) }
```

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

```
.background{ background-color: rgb(56, 170,  
146) }
```

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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