

Converting Colors

CIELCh(62, 54.991, 159.146)

Have a look what the booklet for
CIELCh(62, 54.991, 159.146)
contains.

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Color

CIELCh(62, 54.847, 159.022)

Conversions

Conversions Part 1

Format	Color
Hex	01AB71
RGB	1, 171, 113
RGB Percent	0%, 67%, 44%
CMY	0.9969, 0.3286, 0.5561
CMYK	1.00, 0.00, 0.34, 0.33
HSL	160°, 99%, 34%
HSV	160°, 100%, 67%
XYZ	17.6012, 30.4025, 20.6172
YIQ	113.5580, -82.7020, -54.0780

Conversions

Conversions Part 2

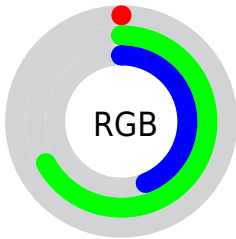
Format	Color
RYB	1, 103, 171
Decimal	109425
CIELab	62.00, -51.21, 19.64
CIELCh	62, 54.847, 159.022
Yxy	30.4025, 0.2565, 0.4431
Android (android.graphics.Color)	4278299505 (0xFF01AB71)
YUV	113.5580, -0.2751, -98.7134
Hunter-Lab	55.1385, -39.5121, 16.4275

Details

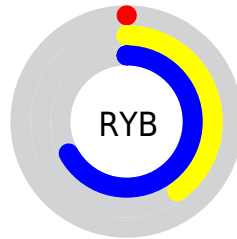
The CIELCh color **62, 54.847, 159.022** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **36, 63.716, 16.809**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **82, 54.644, 159.086**, and **43, 46.277, 153.128** is the 20% darker color. If you saturate the color by 10%, you get **62, 54.982, 158.928**, and if you desaturate by 10%, it is **62, 51.864, 161.137**.

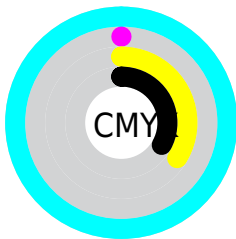
Distribution



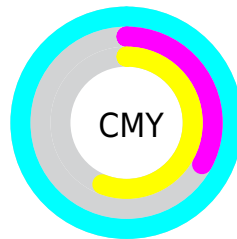
- Red (0%)
- Green (67%)
- Blue (44%)



- Red (0%)
- Yellow (40%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 54.847, 159.022 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 62, 54.847, 159.022 by changing the saturation by 10% instead.


 62, 54.847,
159.022

 62, 54.847,
159.022


 100, 54.847,
159.022


 52, 54.847,
159.022


 82, 54.847,
159.022

 42, 54.847,
159.022

 92, 54.847,
159.022

 32, 54.847,
159.022

 22, 54.847,
159.022

 12, 54.847,
159.022

 2, 54.847, 159.022

 0, 54.847, 159.022

■ 62, 54.847,
159.022

■ 62, 54.847,
159.022

■ 62, 54.982,
158.928

■ 62, 51.864,
161.137

■ 63, 48.325,
163.120

■ 63, 44.078,
164.902

■ 64, 39.128,
166.494

■ 64, 33.537,
167.917

■ 65, 27.400,
169.197

■ 66, 20.831,
170.356

■ 67, 13.947,

171.419

■ 69, 6.859, 172.418

Harmonies

Complementary

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



62, 54.847, 159.022



36, 63.716, 16.809

Rectangle

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



62, 54.847, 159.022



62, 54.847, 209.022



62, 54.847, 339.022



62, 54.847, 29.022

Sweetspot

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



62, 54.847, 159.022



84, 26.080, 170.246



62, 84.341, 132.043



44, 17.817, 169.781



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



62, 54.847, 159.022



79, 67.201, 158.499



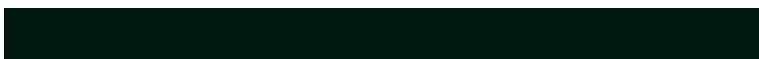
55, 32.317, 224.361



36, 4.113, 172.441



55, 49.781, 159.183



6, 9.282, 167.357

Inverse Universe

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



36, 63.716, 16.809



47, 77.820, 18.115



37, 74.593, 42.168



34, 4.209, 354.019



31, 57.936, 16.390



2, 8.453, 357.521

Previews

White Background



This preview shows how the CIELCh color 62, 54.847, 159.022 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 62, 54.847, 159.022 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 62, 54.847, 159.022

Background



This preview shows how black text looks on a background with the CIELCh color 62, 54.847, 159.022.

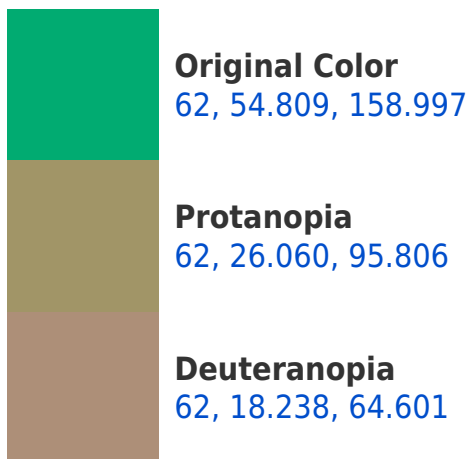



This preview shows how white text looks on a background with the CIELCh color 62, 54.847, 159.022.

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
62, 29.670, 212.638

Trichromacy



Original Color
62, 54.809, 158.997



Protanomaly
60, 35.147, 144.016



Deuteranomaly
59, 26.012, 148.020



Tritanomaly
62, 36.230, 185.509

Monochromacy



Original Color
62, 54.809, 158.997



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 25.860, 168.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 54.847, 159.022 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(1, 171, 113)` looks like.

```
.text, #text, p{  
    color:rgb(1, 171, 113)  
}
```

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(1, 171, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 171, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 54.847, 159.022 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(1, 171, 113) }
```

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

```
.border{ border-color:rgb(1, 171, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 171, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 171, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 171, 113);  
box-shadow:4px 4px 4px 4px rgb(1, 171,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 54.847, 159.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 171, 113) }
```

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

```
.background{ background-color: rgb(1, 171,  
113) }
```

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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