

Converting Colors

CIELCh(62, 61.730, 152.468)

Have a look what the booklet for
CIELCh(62, 61.730, 152.468)
contains.

CIELCh(62, 61.541, 152.599)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(62, 61.541, 152.599)

Conversions

Conversions Part 1

Format	Color
Hex	05AC61
RGB	5, 172, 97
RGB Percent	2%, 67%, 38%
CMY	0.9803, 0.3255, 0.6196
CMYK	0.97, 0.00, 0.44, 0.33
HSL	153°, 94%, 35%
HSV	153°, 97%, 67%
XYZ	16.9742, 30.4025, 16.2840
YIQ	113.5170, -75.4570, -58.7290

Conversions

Conversions Part 2

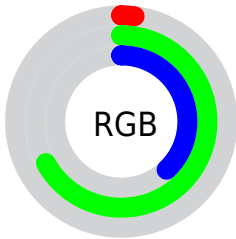
Format	Color
R _{YB}	5, 113, 172
Decimal	371809
CIE Lab	62.00, -54.64, 28.32
CIE LCh	62, 61.541, 152.599
Yxy	30.4025, 0.2666, 0.4776
Android (android.graphics.Color)	4278561889 (0xFF05AC61)
YUV	113.5170, -8.1429, -95.1694
Hunter-Lab	55.1385, -41.5418, 21.0869

Details

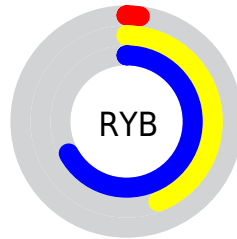
The CIELCh color **62, 61.541, 152.599** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **37, 62.311, 5.377**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **82, 61.996, 152.404**, and **43, 53.576, 146.226** is the 20% darker color. If you saturate the color by 10%, you get **62, 62.630, 151.981**, and if you desaturate by 10%, it is **62, 57.650, 154.780**.

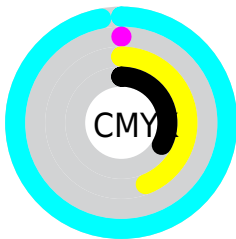
Distribution



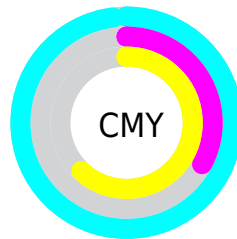
- Red (2%)
- Green (67%)
- Blue (38%)



- Red (2%)
- Yellow (44%)
- Blue (67%)



- Cyan (97%)
- Magenta (0%)
- Yellow (44%)
- Black (33%)





- Cyan (98%)
- Magenta (33%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 61.541, 152.599 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, 61.541, 152.599 by changing the saturation by 10% instead.


 62, 61.541,
152.599


 62, 61.541,
152.599


 100, 61.541,
152.599


 52, 61.541,
152.599


 82, 61.541,
152.599

 42, 61.541,
152.599

 92, 61.541,
152.599

 32, 61.541,
152.599

 22, 61.541,
152.599

 12, 61.541,
152.599

 2, 61.541, 152.599

 0, 61.541, 152.599

■ 62, 61.541,
152.599

■ 62, 61.541,
152.599

■ 62, 62.630,
151.981

■ 62, 57.650,
154.780

■ 63, 53.093,
156.787

■ 63, 47.814,
158.585

■ 64, 41.852,
160.183

■ 65, 35.292,
161.599

■ 66, 28.252,
162.858

■ 67, 20.857,
163.984

■ 68, 13.234,

165.002

■ 69, 5.492, 165.955

Harmonies

Complementary

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



62, 61.541, 152.599



37, 62.311, 5.377

Rectangle

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



62, 61.541, 152.599



62, 61.541, 202.599



62, 61.541, 332.599



62, 61.541, 22.599

Sweetspot

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



62, 61.541, 152.599



84, 27.671, 163.720



63, 81.440, 129.273



44, 18.880, 163.258



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, 61.541, 152.599



79, 77.057, 151.532



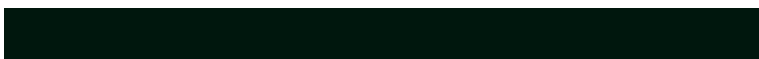
61, 34.794, 204.434



36, 4.423, 165.742



55, 56.453, 152.252



6, 10.009, 161.380

Inverse Universe

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



37, 62.311, 5.377



48, 76.661, 7.566



36, 75.399, 39.675



34, 4.491, 347.234



32, 56.955, 6.045



2, 8.889, 351.526

Previews

White Background



This preview shows how the CIELCh color 62, 61.541, 152.599 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, 61.541, 152.599 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, 61.541, 152.599

Background



This preview shows how black text looks on a background with the CIELCh color 62, 61.541, 152.599.

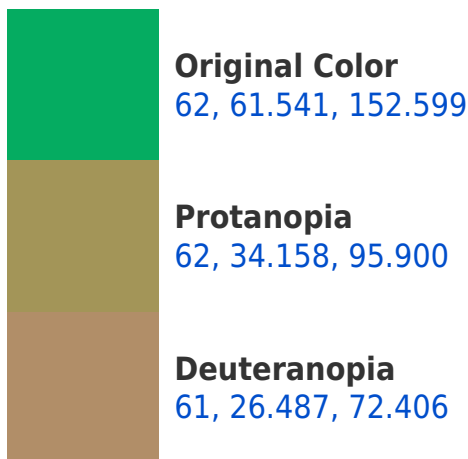



This preview shows how white text looks on a background with the CIELCh color 62, 61.541, 152.599.

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, 28.846, 211.963

Trichromacy



Original Color
62, 61.541, 152.599



Protanomaly
60, 41.879, 135.759



Deuteranomaly
59, 33.068, 135.608



Tritanomaly
62, 37.424, 179.531

Monochromacy



Original Color
62, 61.541, 152.599



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 27.782, 162.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 61.541, 152.599 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(5, 172, 97)` looks like.

```
.text, #text, p{  
    color:rgb(5, 172, 97)  
}
```

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(5, 172, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 172, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 61.541, 152.599 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(5, 172, 97) }
```

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

```
.border{ border-color:rgb(5, 172, 97) }
```

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

Here you see how a box with a 4 pixel rgb(5, 172, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 172, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 172, 97);  
box-shadow:4px 4px 4px 4px rgb(5, 172, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 62, 61.541, 152.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 172, 97) }
```

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

```
.background{ background-color: rgb(5, 172,  
97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor