

Converting Colors

CIELCh(62, 47.038, 168.161)

Have a look what the booklet for
CIELCh(62, 47.038, 168.161)
contains.

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Color

CIELCh(62, 47.209, 167.918)

Conversions

Conversions Part 1

Format	Color
Hex	09AA83
RGB	9, 170, 131
RGB Percent	4%, 67%, 51%
CMY	0.9663, 0.3337, 0.4866
CMYK	0.95, 0.00, 0.23, 0.33
HSL	165°, 90%, 35%
HSV	165°, 95%, 67%
XYZ	18.5532, 30.4025, 26.3293
YIQ	117.4150, -83.4370, -46.2610

Conversions

Conversions Part 2

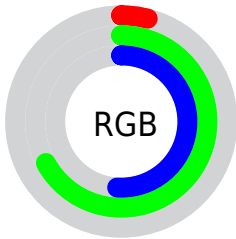
Format	Color
RYB	9, 101, 170
Decimal	633475
CIELab	62.00, -46.16, 9.88
CIELCh	62, 47.209, 167.918
Yxy	30.4025, 0.2464, 0.4038
Android (android.graphics.Color)	4278823555 (0xFF09AA83)
YUV	117.4150, 6.6974, -95.0800
Hunter-Lab	55.1385, -36.4301, 10.2853

Details

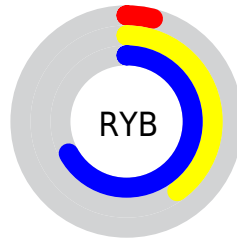
The CIELCh color **62, 47.209, 167.918** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **36, 64.386, 23.217**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 47.148, 168.031**, and **43, 39.100, 162.872** is the 20% darker color. If you saturate the color by 10%, you get **62, 48.290, 166.962**, and if you desaturate by 10%, it is **62, 44.823, 169.788**.

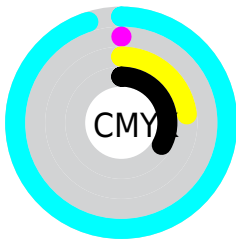
Distribution



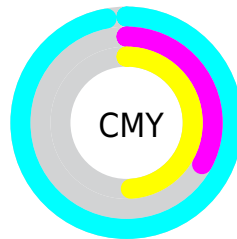
- Red (4%)
- Green (67%)
- Blue (51%)



- Red (4%)
- Yellow (40%)
- Blue (67%)



- Cyan (95%)
- Magenta (0%)
- Yellow (23%)
- Black (33%)





- Cyan (97%)
- Magenta (33%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 47.209, 167.918 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, 47.209, 167.918 by changing the saturation by 10% instead.


 62, 47.209,
167.918


 62, 47.209,
167.918


 100, 47.209,
167.918


 52, 47.209,
167.918


 82, 47.209,
167.918

 42, 47.209,
167.918

 92, 47.209,
167.918

 32, 47.209,
167.918

 22, 47.209,
167.918

 12, 47.209,
167.918

 2, 47.209, 167.918

 0, 47.209, 167.918

■ 62, 47.209,
167.918

■ 62, 47.209,
167.918

■ 62, 48.290,
166.962

■ 62, 44.823,
169.788

■ 63, 41.749,
171.479

■ 63, 37.946,
172.999

■ 64, 33.438,
174.369

■ 64, 28.291,
175.613

■ 65, 22.599,
176.752

■ 66, 16.472,
177.809

■ 68, 10.020,

178.806

■ 69, 3.347, 179.815

Harmonies

Complementary

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



62, 47.209, 167.918



36, 64.386, 23.217

Rectangle

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



62, 47.209, 167.918



62, 47.209, 217.918



62, 47.209, 347.918



62, 47.209, 37.918

Sweetspot

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



62, 47.209, 167.917



84, 22.819, 177.440



61, 84.281, 133.729



44, 15.739, 176.994



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, 47.209, 167.917



79, 59.255, 166.563



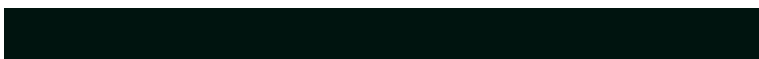
50, 33.009, 243.765



35, 3.790, 179.360



54, 43.461, 167.210



5, 7.244, 175.279

Inverse Universe

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



36, 64.386, 23.217



47, 81.928, 26.898



39, 68.012, 45.321



33, 3.913, 0.923



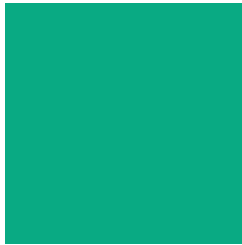
30, 59.838, 25.065



1, 6.892, 2.634

Previews

White Background



This preview shows how the CIE LCh color 62, 47.209, 167.918 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 62, 47.209, 167.918 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, 47.209, 167.918

Background



This preview shows how black text looks on a background with the CIELCh color 62, 47.209, 167.918.

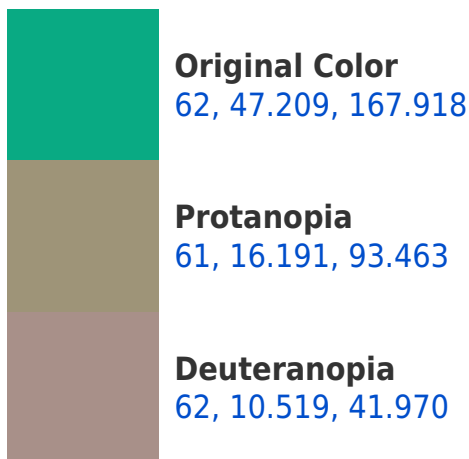



This preview shows how white text looks on a background with the CIELCh color 62, 47.209, 167.918.

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, 30.595, 210.963

Trichromacy



Original Color
62, 47.209, 167.918



Protanomaly
60, 26.897, 155.069



Deuteranomaly
60, 19.208, 165.663

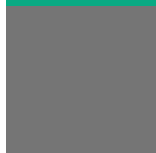


Tritanomaly
62, 35.063, 190.875

Monochromacy



Original Color
62, 47.209, 167.918



Achromatopsia
49, 0.007, 296.813



Achromatomaly
53, 22.581, 176.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 47.209, 167.918 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(9, 170, 131)` looks like.

```
.text, #text, p{  
    color:rgb(9, 170, 131)  
}
```

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(9, 170, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 170, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 47.209, 167.918 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(9, 170, 131) }
```

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

```
.border{ border-color:rgb(9, 170, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 170, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 170, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 170, 131);  
box-shadow:4px 4px 4px 4px rgb(9, 170,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 47.209, 167.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 170, 131) }
```

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

```
.background{ background-color: rgb(9, 170,  
131) }
```

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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