

Converting Colors

CIELCh(62, 48.209, 163.443)

Have a look what the booklet for
CIELCh(62, 48.209, 163.443)
contains.

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Color

CIELCh(62, 48.311, 163.317)

Conversions

Conversions Part 1

Format	Color
Hex	20AA7C
RGB	32, 170, 124
RGB Percent	13%, 67%, 49%
CMY	0.8763, 0.3343, 0.5147
CMYK	0.81, 0.00, 0.27, 0.33
HSL	160°, 69%, 39%
HSV	160°, 81%, 67%
XYZ	18.5313, 30.4025, 23.8815
YIQ	123.4940, -67.4820, -43.5620

Conversions

Conversions Part 2

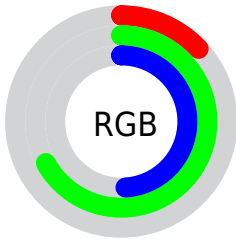
Format	Color
RYB	32, 115, 170
Decimal	2140796
CIELab	62.00, -46.28, 13.87
CIELCh	62, 48.311, 163.317
Yxy	30.4025, 0.2545, 0.4175
Android (android.graphics.Color)	4280330876 (0xFF20AA7C)
YUV	123.4940, 0.2495, -80.2402
Hunter-Lab	55.1385, -36.5010, 12.9174

Details

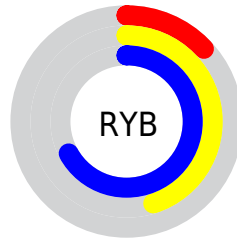
The CIELCh color **62, 48.311, 163.317** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **38, 57.253, 8.997**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 48.010, 163.522**, and **43, 42.006, 158.473** is the 20% darker color. If you saturate the color by 10%, you get **62, 51.642, 161.309**, and if you desaturate by 10%, it is **62, 44.283, 165.124**.

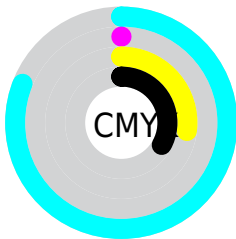
Distribution



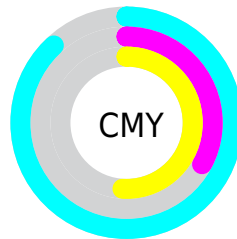
- Red (13%)
- Green (67%)
- Blue (49%)



- Red (13%)
- Yellow (45%)
- Blue (67%)



- Cyan (81%)
- Magenta (0%)
- Yellow (27%)
- Black (33%)




- Cyan (88%)
- Magenta (33%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 48.311, 163.317 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, 48.311, 163.317 by changing the saturation by 10% instead.


 62, 48.311,
163.317


 62, 48.311,
163.317


 100, 48.311,
163.317


 52, 48.311,
163.317


 82, 48.311,
163.317

 42, 48.311,
163.317

 92, 48.311,
163.317

 32, 48.311,
163.317

 22, 48.311,
163.317

 12, 48.311,
163.317

 2, 48.311, 163.317

 0, 48.311, 163.317

■ 62, 48.311,
163.317

■ 62, 48.311,
163.317

■ 62, 51.642,
161.309

■ 62, 44.283,
165.124

■ 62, 54.107,
159.506

■ 63, 39.551,
166.741

■ 64, 34.166,
168.186

■ 64, 28.216,
169.485

■ 65, 21.813,
170.662

■ 67, 15.071,
171.739

■ 68, 8.102, 172.745

■ 69, 1.006, 174.017

Harmonies

Complementary

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



62, 48.311, 163.317



38, 57.253, 8.997

Rectangle

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



62, 48.311, 163.317



62, 48.311, 213.317



62, 48.311, 343.317



62, 48.311, 33.317

Sweetspot

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



62, 48.311, 163.316



84, 20.924, 171.422



62, 76.361, 131.466



45, 14.424, 171.050



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, 48.311, 163.316



79, 65.894, 159.497



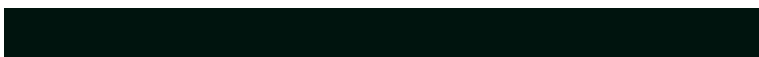
56, 30.599, 222.961



35, 3.993, 172.957



54, 48.674, 159.779



5, 7.694, 168.831

Inverse Universe

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



38, 57.253, 8.997



47, 77.352, 17.778



40, 60.553, 40.607



33, 4.088, 354.531



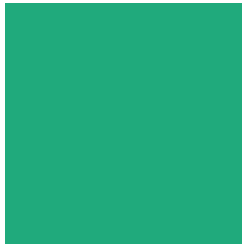
31, 57.347, 17.017



2, 7.153, 356.908

Previews

White Background



This preview shows how the CIELCh color 62, 48.311, 163.317 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, 48.311, 163.317 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, 48.311, 163.317

Background



This preview shows how black text looks on a background with the CIELCh color 62, 48.311, 163.317.

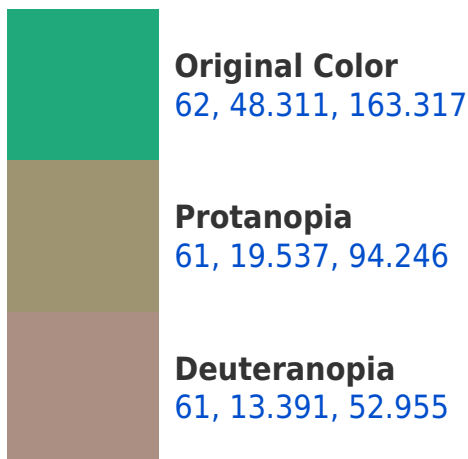


This preview shows how white text looks on a background with the CIELCh color 62, 48.311, 163.317.

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, 29.178, 211.767

Trichromacy



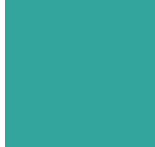
Original Color
62, 48.311, 163.317



Protanomaly
60, 27.259, 145.859



Deuteranomaly
60, 19.152, 150.530



Tritanomaly
62, 33.466, 188.761

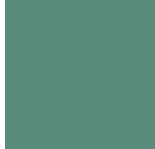
Monochromacy



Original Color
62, 48.311, 163.317



Achromatopsia
52, 0.007, 296.813



Achromatomaly
54, 21.168, 169.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 48.311, 163.317 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(32, 170, 124)` looks like.

```
.text, #text, p{  
    color:rgb(32, 170, 124)  
}
```

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(32, 170, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 170, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 48.311, 163.317 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(32, 170, 124) }
```

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

```
.border{ border-color:rgb(32, 170, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 170, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 170, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 170, 124);  
box-shadow:4px 4px 4px 4px rgb(32, 170,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 48.311, 163.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 170, 124) }
```

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

```
.background{ background-color: rgb(32, 170,  
124) }
```

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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