

# Converting Colors

CIELCh(62, 15.028, 22.988)

Have a look what the booklet for  
CIELCh(62, 15.028, 22.988) contains.

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# Color

**CIELCh(62, 15.028, 22.988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B28D8C
RGB	178, 141, 140
RGB Percent	70%, 55%, 55%
CMY	0.3020, 0.4471, 0.4510
CMYK	0.00, 0.21, 0.21, 0.30
HSL	2°, 20%, 62%
HSV	2°, 21%, 70%
XYZ	32.6127, 30.4025, 28.9556
YIQ	151.9490, 22.3730, 7.5330

# Conversions

## Conversions Part 2

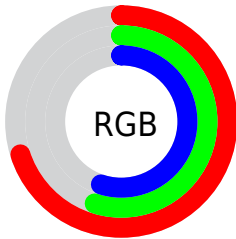
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	178, 141, 140
Decimal	11701644
CIE Lab	62.00, 13.83, 5.87
CIE LCh	62, 15.028, 22.988
Yxy	30.4025, 0.3546, 0.3306
Android (android.graphics.Color)	4289891724 (0xFFB28D8C)
YUV	151.9490, -5.8909, 22.8467
Hunter-Lab	55.1385, 9.0848, 7.4612

# Details

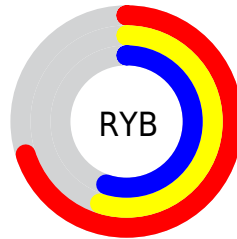
The CIELCh color **62, 15.028, 22.988** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **70, 13.049, 200.804**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 14.876, 24.567**, and **42, 15.071, 23.700** is the 20% darker color. If you saturate the color by 10%, you get **57, 22.932, 23.973**, and if you desaturate by 10%, it is **67, 7.678, 22.229**.

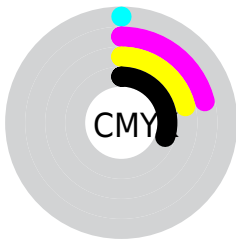
# Distribution



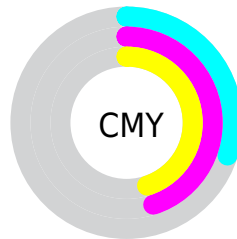
- Red (70%)
- Green (55%)
- Blue (55%)



- Red (70%)
- Yellow (55%)
- Blue (55%)



- Cyan (0%)
- Magenta (21%)
- Yellow (21%)
- Black (30%)



- Cyan (30%)
- Magenta (45%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 15.028, 22.988 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, 15.028, 22.988 by changing the saturation by 10% instead.



62, 15.028, 22.988

62, 15.028, 22.988

100, 15.028,  
22.988

52, 15.028, 22.988

82, 15.028, 22.988

42, 15.028, 22.988

92, 15.028, 22.988

32, 15.028, 22.988

22, 15.028, 22.988

12, 15.028, 22.988

2, 15.028, 22.988

0, 15.028, 22.988

62, 15.028, 22.988

62, 15.028, 22.988

57, 22.932, 23.973

67, 7.678, 22.229

53, 31.361, 25.252

72, 0.878, 21.157

49, 40.220, 26.924

77, 5.410, 201.402

45, 49.333, 29.082

82, 11.231,  
201.024

42, 58.430, 31.775

87, 16.635,  
200.755

39, 67.099, 34.897

38, 74.528, 37.950

92, 21.673,  
200.552

37, 79.444, 40.268

95, 24.554,  
197.903

# Harmonies

# Complementary

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



62, 15.028, 22.988



70, 13.049, 200.804

# Rectangle

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



62, 15.028, 22.988



62, 15.028, 72.988



62, 15.028, 202.988



62, 15.028, 252.988

# Sweetspot

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



62, 15.026, 22.995



88, 4.933, 21.857



63, 25.210, 326.040



47, 3.307, 21.905



96, 0.011, 296.813



49, 0.007, 296.813



# Same Dimension

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



62, 15.026, 22.995



76, 23.159, 23.462



67, 13.164, 74.544



35, 3.810, 22.088



31, 70.568, 39.919



2, 8.969, 21.139





# Inverse Universe

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



70, 13.049, 200.804



88, 19.373, 200.619



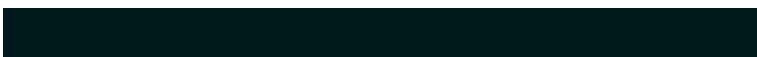
64, 12.521, 260.297



37, 3.593, 201.331



56, 33.008, 200.548



7, 8.776, 202.631



# Previews

## White Background



This preview shows how the CIELCh color 62, 15.028, 22.988 looks on a white background.

## Color Contrast Check

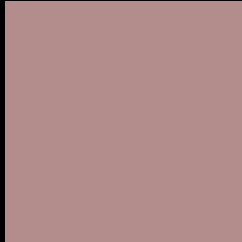
Large Text (above 18pt) WCAG AA × Fail

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, 15.028, 22.988 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

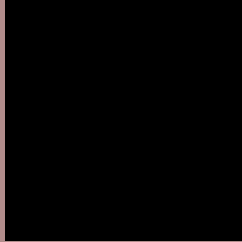
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 62, 15.028, 22.988**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 62, 15.028, 22.988.



This preview shows how white text looks on a background with the CIELCh color 62, 15.028, 22.988.

# 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



### Original Color


62, 15.028, 22.988

### Protanopia

62, 2.959, 68.418

### Deuteranopia

62, 10.281, 39.169



**Tritanopia**  
62, 16.935, 0.007



# Trichromacy



**Original Color**  
62, 15.028, 22.988

**Protanomaly**  
62, 6.969, 33.852

**Deuteranomaly**  
62, 11.704, 34.147

**Tritanomaly**  
62, 15.918, 8.970

# Monochromacy



**Original Color**  
62, 15.028, 22.988

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
62, 5.100, 19.809

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 15.028, 22.988 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(178, 141, 140)` looks like.

```
.text, #text, p{  
    color:rgb(178, 141, 140)  
}
```

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(178, 141, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 141, 140) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 15.028, 22.988 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(178, 141, 140) }
```

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

```
.border{ border-color:rgb(178, 141, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 141, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 141, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 141, 140);  
box-shadow:4px 4px 4px 4px rgb(178, 141,  
140) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 15.028, 22.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 141, 140) }
```

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

```
.background{ background-color: rgb(178,  
141, 140) }
```

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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