

# Converting Colors

CIELCh(62, 24.792, 325.111)

Have a look what the booklet for  
CIELCh(62, 24.792, 325.111)  
contains.

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# Color

**CIELCh(62, 24.902, 325.573)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AF8AAF
RGB	175, 138, 175
RGB Percent	69%, 54%, 69%
CMY	0.3136, 0.4587, 0.3136
CMYK	0.00, 0.21, 0.00, 0.31
HSL	300°, 19%, 61%
HSV	300°, 21%, 69%
XYZ	34.5231, 30.4025, 44.6259
YIQ	153.2810, 10.1750, 19.3510

# Conversions

## Conversions Part 2

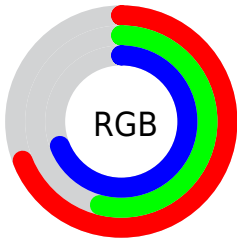
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 138, 175
Decimal	11504303
CIELab	62.00, 20.54, -14.08
CIELCh	62, 24.902, 325.573
Yxy	30.4025, 0.3151, 0.2775
Android (android.graphics.Color)	4289694383 (0xFFAF8AAF)
YUV	153.2810, 10.7075, 19.0476
Hunter-Lab	55.1385, 15.2695, -9.3889

# Details

The CIELCh color  $62, 24.902, 325.573$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $68, 24.884, 143.098$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 24.902, 325.359$ , and  $42, 24.912, 325.104$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 36.607, 326.102$ , and if you desaturate by 10%, it is  $66, 13.078, 325.026$ .

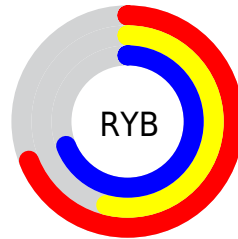
# Distribution



Red (69%)

Green (54%)

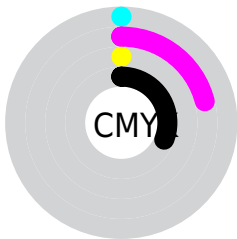
Blue (69%)



Red (69%)

Yellow (54%)

Blue (69%)

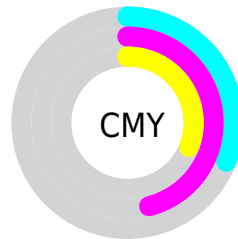


Cyan (0%)

Magenta (21%)

Yellow (0%)

Black (31%)



Cyan (31%)

Magenta (46%)


Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 24.902, 325.573 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, 24.902, 325.573 by changing the saturation by 10% instead.





 62, 24.902,  
325.573


 62, 24.902,  
325.573


 100, 24.902,  
325.573


 52, 24.902,  
325.573


 82, 24.902,  
325.573

 42, 24.902,  
325.573

 92, 24.902,  
325.573

 32, 24.902,  
325.573

 22, 24.902,  
325.573

 12, 24.902,  
325.573

 2, 24.902, 325.573

 0, 24.902, 325.573

62, 24.902,  
325.573

62, 24.902,  
325.573

58, 36.607,  
326.102

66, 13.078,  
325.026

54, 47.930,  
326.603

71, 1.333, 324.329

50, 58.516,  
327.060

76, 10.210,  
143.996

47, 67.941,  
327.457

80, 21.473,  
143.469

45, 75.763,  
327.778

85, 32.413,  
142.972

43, 81.609,  
328.013

90, 43.012,  
142.501


42, 85.294,  
328.160

93, 50.042,  
142.195

42, 87.154,

93, 50.042,  
142.195

328.233

 93, 50.042,  
142.195

# Harmonies

# Complementary

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



62, 24.902, 325.573



68, 24.884, 143.098

# Rectangle

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



62, 24.902, 325.573



62, 24.902, 15.573



62, 24.902, 145.573



62, 24.902, 195.573

# Sweetspot

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



62, 24.900, 325.573



87, 8.678, 324.739



59, 21.022, 292.550



46, 5.805, 324.776



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



62, 24.900, 325.573



76, 36.372, 325.803



61, 17.685, 345.480



34, 6.590, 324.923



35, 77.961, 328.233



2, 13.857, 324.439



# Inverse Universe

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



62, 24.900, 325.573



76, 36.372, 325.803



68, 17.229, 161.823



34, 6.590, 324.923



35, 77.961, 328.233

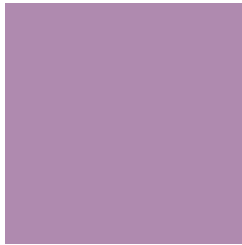


2, 13.857, 324.439



# Previews

## White Background



This preview shows how the CIELCh color 62, 24.902, 325.573 looks on a white background.

## Color Contrast Check

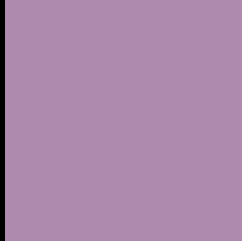
Large Text (above 18pt) WCAG AA × Fail

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, 24.902, 325.573 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, 24.902, 325.573

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 24.902, 325.573.



This preview shows how white text looks on a background with the CIELCh color 62, 24.902, 325.573.

# 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, 13.244, 353.154

# Trichromacy



**Original Color**  
62, 24.902, 325.573

**Protanomaly**  
62, 19.514, 302.779

**Deuteranomaly**  
62, 18.719, 312.591

**Tritanomaly**  
62, 16.627, 338.855

# Monochromacy



**Original Color**  
62, 24.902, 325.573

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
63, 8.842, 324.850

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 24.902, 325.573 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(175, 138, 175)` looks like.

```
.text, #text, p{  
    color:rgb(175, 138, 175)  
}
```

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(175, 138, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 138, 175) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 24.902, 325.573 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(175, 138, 175) }
```

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

```
.border{ border-color:rgb(175, 138, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 138, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 138, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 138, 175);  
box-shadow:4px 4px 4px 4px rgb(175, 138,  
175) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 24.902, 325.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 138, 175) }
```

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

```
.background{ background-color: rgb(175,  
138, 175) }
```

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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