

# Converting Colors

CIELCh(60, 24.628, 327.833)

Have a look what the booklet for  
CIELCh(60, 24.628, 327.833)  
contains.

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# Color

**CIELCh(60, 24.347, 327.888)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB85A8
RGB	171, 133, 168
RGB Percent	67%, 52%, 66%
CMY	0.3307, 0.4797, 0.3425
CMYK	0.00, 0.22, 0.02, 0.33
HSL	305°, 18%, 59%
HSV	305°, 22%, 67%
XYZ	32.1030, 28.1233, 40.6207
YIQ	148.3520, 11.4130, 18.9410

# Conversions

## Conversions Part 2

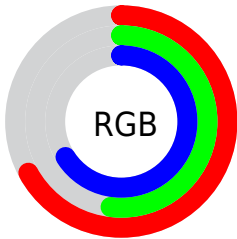
Format	Color
<b>RYB</b>	171, 133, 168
Decimal	11240872
CIELab	60.00, 20.62, -12.94
CIELCh	60, 24.347, 327.888
Yxy	28.1233, 0.3183, 0.2789
Android (android.graphics.Color)	4289430952 (0xFFAB85A8)
YUV	148.3520, 9.6865, 19.8623
Hunter-Lab	53.0314, 15.2515, -8.2926

# Details

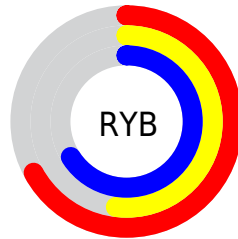
The CIELCh color `60, 24.347, 327.888` is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be `66, 24.314, 145.179`, and the grayscale version is `61, 0.008, 296.813`.

A 20% lighter version of the original color is `80, 24.583, 328.237`, and `40, 24.332, 327.598` is the 20% darker color. If you saturate the color by 10%, you get `56, 35.205, 328.458`, and if you desaturate by 10%, it is `64, 13.365, 327.312`.

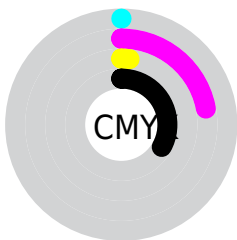
# Distribution



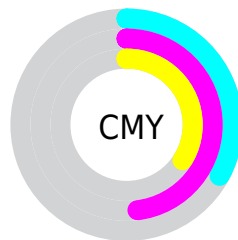
- Red (67%)
- Green (52%)
- Blue (66%)



- Red (67%)
- Yellow (52%)
- Blue (66%)



- Cyan (0%)
- Magenta (22%)
- Yellow (2%)
- Black (33%)



- Cyan (33%)
- Magenta (48%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 24.347, 327.888 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 60, 24.347, 327.888 by changing the saturation by 10% instead.



 60, 24.347,  
327.888

 60, 24.347,  
327.888

 100, 24.347,  
327.888


 50, 24.347,  
327.888

 80, 24.347,  
327.888

 40, 24.347,  
327.888

 90, 24.347,  
327.888

 30, 24.347,  
327.888

 20, 24.347,  
327.888

 10, 24.347,  
327.888

 0, 24.347, 327.888

 60, 24.347,

 60, 24.347,

327.888

327.888

56, 35.205,  
328.458

64, 13.365,  
327.312

52, 45.685,  
329.014

69, 2.447, 326.668

49, 55.442,  
329.548

73, 8.289, 146.251

46, 64.061,  
330.050

78, 18.771,  
145.705

43, 71.107,  
330.514

83, 28.960,  
145.193

41, 76.208,  
330.940

88, 38.839,  
144.708

40, 79.184,  
331.332

92, 48.407,  
144.250

40, 80.432,  
331.623

93, 49.512,  
144.558

■ 93, 48.959,  
145.026

# Harmonies

# Complementary

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



60, 24.347, 327.888



66, 24.314, 145.179

# Rectangle

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



60, 24.347, 327.888



60, 24.347, 17.888



60, 24.347, 147.888



60, 24.347, 197.888

# Sweetspot

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



60, 24.345, 327.888



84, 9.422, 327.009



57, 21.759, 295.023



45, 6.174, 327.044



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



60, 24.345, 327.888



74, 36.546, 328.187



59, 17.534, 349.477



33, 6.092, 327.138



34, 72.448, 331.581



2, 10.831, 327.531



# Inverse Universe

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



60, 24.345, 327.888



74, 36.546, 328.187



67, 16.892, 165.393



33, 6.092, 327.138



34, 72.448, 331.581

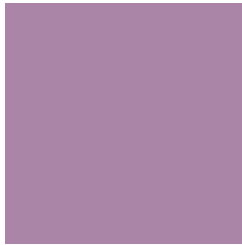


2, 10.831, 327.531



# Previews

## White Background



This preview shows how the CIELCh color 60, 24.347, 327.888 looks on a white background.

## Color Contrast Check

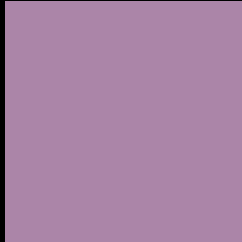
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 24.347, 327.888 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

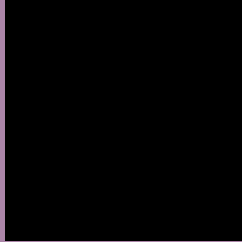
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 60, 24.347, 327.888**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 60, 24.347, 327.888.



This preview shows how white text looks on a background with the CIELCh color 60, 24.347, 327.888.

# 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

60, 24.347, 327.888

### Protanopia

60, 18.129, 286.647

### Deuteranopia

60, 14.496, 303.428





**Tritanopia**  
60, 14.055, 354.841

# Trichromacy



**Original Color**  
60, 24.347, 327.888

**Protanomaly**  
60, 19.177, 304.174

**Deuteranomaly**  
60, 17.929, 315.011

**Tritanomaly**  
60, 17.319, 340.750

# Monochromacy



**Original Color**  
60, 24.347, 327.888

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 9.126, 326.895

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 24.347, 327.888 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(171, 133, 168)` looks like.

```
.text, #text, p{  
    color:rgb(171, 133, 168)  
}
```

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(171, 133, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 133, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 24.347, 327.888 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(171, 133, 168) }
```

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

```
.border{ border-color:rgb(171, 133, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 133, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 133, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 133, 168);  
box-shadow:4px 4px 4px 4px rgb(171, 133,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 24.347, 327.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 133, 168) }
```

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

```
.background{ background-color: rgb(171,  
133, 168) }
```

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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