

Converting Colors

CIELCh(62, 37.469, 326.100)

Have a look what the booklet for
CIELCh(62, 37.469, 326.100)
contains.

CIELCh(62, 37.173, 326.048)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(62, 37.173, 326.048)

Conversions

Conversions Part 1

Format	Color
Hex	BB83BB
RGB	187, 131, 187
RGB Percent	73%, 51%, 73%
CMY	0.2665, 0.4861, 0.2665
CMYK	0.00, 0.30, 0.00, 0.27
HSL	300°, 29%, 62%
HSV	300°, 30%, 73%
XYZ	37.5990, 30.4025, 50.9229
YIQ	154.1280, 15.4000, 29.2880

Conversions

Conversions Part 2

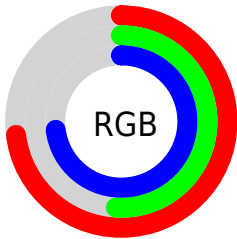
Format	Color
RYB	187, 131, 187
Decimal	12288955
CIELab	62.00, 30.84, -20.76
CIELCh	62, 37.173, 326.048
Yxy	30.4025, 0.3162, 0.2556
Android (android.graphics.Color)	4290479035 (0xFFBB83BB)
YUV	154.1280, 16.2059, 28.8287
Hunter-Lab	55.1385, 25.2269, -16.1600

Details

The CIELCh color $62, 37.173, 326.048$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $71, 37.176, 142.373$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 36.890, 326.229$, and $42, 37.666, 325.978$ is the 20% darker color. If you saturate the color by 10%, you get $58, 49.180, 326.555$, and if you desaturate by 10%, it is $66, 24.789, 325.514$.

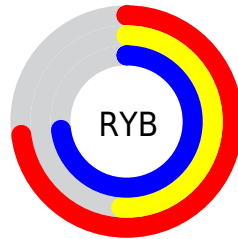
Distribution



Red (73%)

Green (51%)

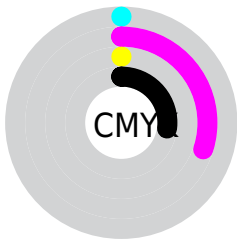
Blue (73%)



Red (73%)

Yellow (51%)

Blue (73%)

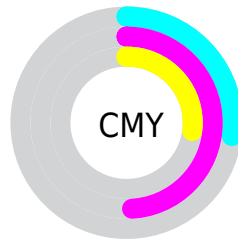


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (27%)



Cyan (27%)


Magenta (49%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 37.173, 326.048 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, 37.173, 326.048 by changing the saturation by 10% instead.


 62, 37.173,
326.048


 62, 37.173,
326.048


 100, 37.173,
326.048


 52, 37.173,
326.048


 82, 37.173,
326.048

 42, 37.173,
326.048

 92, 37.173,
326.048

 32, 37.173,
326.048

 22, 37.173,
326.048

 12, 37.173,
326.048

 2, 37.173, 326.048

 0, 37.173, 326.048

62, 37.173,
326.048

62, 37.173,
326.048

58, 49.180,
326.555

66, 24.789,
325.514

54, 60.448,
327.019

71, 12.312,
324.962

51, 70.530,
327.424

76, 0.066, 148.138

48, 78.954,
327.754

81, 12.217,
143.928

46, 85.311,
327.998

86, 24.063,
143.404

45, 89.381,
328.152

91, 35.564,
142.907


44, 91.540,
328.233

94, 42.592,
142.610

44, 91.552,

94, 42.592,
142.610

328.233

 94, 42.592,
142.610

Harmonies

Complementary

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



62, 37.173, 326.048



71, 37.176, 142.373

Rectangle

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



62, 37.173, 326.048



62, 37.173, 16.048



62, 37.173, 146.048



62, 37.173, 196.048

Sweetspot

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



62, 37.171, 326.048



90, 13.749, 324.917



57, 32.019, 293.824



48, 9.639, 325.000



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



62, 37.171, 326.048



75, 54.894, 326.389



61, 26.579, 346.408



37, 7.068, 324.929



37, 80.848, 328.233



3, 21.489, 325.461

Inverse Universe

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



62, 37.171, 326.048



75, 54.894, 326.389



71, 25.623, 160.899



37, 7.068, 324.929



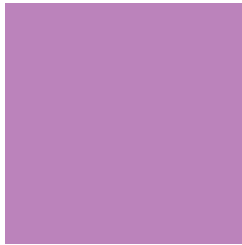
37, 80.848, 328.233



3, 21.489, 325.461

Previews

White Background



This preview shows how the CIELCh color 62, 37.173, 326.048 looks on a white background.

Color Contrast Check

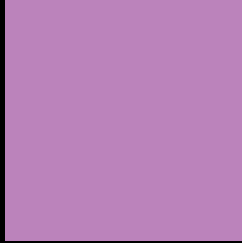
Large Text (above 18pt) WCAG AA × Fail

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, 37.173, 326.048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

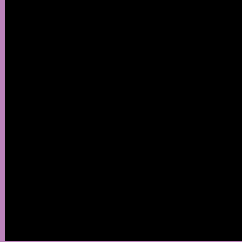
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 37.173, 326.048

Background



This preview shows how black text looks on a background with the CIELCh color 62, 37.173, 326.048.



This preview shows how white text looks on a background with the CIELCh color 62, 37.173, 326.048.

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, 37.173, 326.048

Protanopia

62, 29.305, 285.683

Deuteranopia

62, 20.796, 293.380



Tritanopia
62, 18.468, 2.048

Trichromacy



Original Color
62, 37.173, 326.048



Protanomaly
62, 30.238, 301.737



Deuteranomaly
62, 25.957, 309.420



Tritanomaly
62, 24.372, 342.197

Monochromacy



Original Color
62, 37.173, 326.048



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 13.555, 325.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 37.173, 326.048 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(187, 131, 187)` looks like.

```
.text, #text, p{  
    color:rgb(187, 131, 187)  
}
```

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(187, 131, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 131, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 37.173, 326.048 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(187, 131, 187) }
```

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

```
.border{ border-color:rgb(187, 131, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 131, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 131, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 131, 187);  
box-shadow:4px 4px 4px 4px rgb(187, 131,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 37.173, 326.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 131, 187) }
```

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

```
.background{ background-color: rgb(187,  
131, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor