

Converting Colors

CIELCh(75, 12.940, 324.490)

Have a look what the booklet for
CIELCh(75, 12.940, 324.490)
contains.

CIELCh(75, 12.894, 323.595)	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(75, 12.894, 323.595)

Conversions

Conversions Part 1

Format	Color
Hex	C6B3C7
RGB	198, 179, 199
RGB Percent	78%, 70%, 78%
CMY	0.2241, 0.2986, 0.2202
CMYK	0.01, 0.10, 0.00, 0.22
HSL	297°, 15%, 74%
HSV	297°, 10%, 78%
XYZ	49.6262, 48.2781, 60.6395
YIQ	186.9610, 4.9040, 10.2480

Conversions

Conversions Part 2

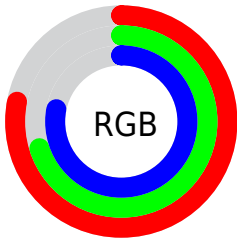
Format	Color
R_{YB}	198, 179, 199
Decimal	13022151
CIE Lab	75.00, 10.38, -7.65
CIE LCh	75, 12.894, 323.595
Yxy	48.2781, 0.3130, 0.3045
Android (android.graphics.Color)	4291212231 (0xFFC6B3C7)
YUV	186.9610, 5.9352, 9.6812
Hunter-Lab	69.4824, 5.8952, -3.1065

Details

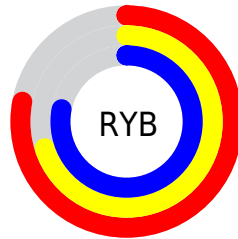
The CIELCh color $75, 12.894, 323.595$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $78, 12.862, 142.565$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 12.482, 324.851$, and $55, 12.997, 323.666$ is the 20% darker color. If you saturate the color by 10%, you get $70, 25.829, 324.117$, and if you desaturate by 10%, it is $80, 0.079, 319.998$.

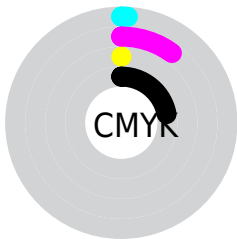
Distribution



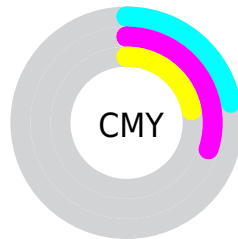
- Red (78%)
- Green (70%)
- Blue (78%)



- Red (78%)
- Yellow (70%)
- Blue (78%)



- Cyan (1%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)





- Cyan (22%)
- Magenta (30%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 12.894, 323.595 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 75, 12.894, 323.595 by changing the saturation by 10% instead.


 75, 12.894,
323.595


 75, 12.894,
323.595


 100, 12.894,
323.595


 65, 12.894,
323.595


 95, 12.894,
323.595

 55, 12.894,
323.595

 45, 12.894,
323.595

 35, 12.894,
323.595

 25, 12.894,
323.595

 15, 12.894,
323.595

 5, 12.894, 323.595

0, 12.894, 323.595

75, 12.894,
323.595

75, 12.894,
323.595

70, 25.829,
324.117

80, 0.079, 319.998

65, 38.704,
324.621

85, 12.488,
142.623

61, 51.239,
325.096

91, 24.738,
142.132

57, 63.063,
325.524

95, 34.599,
141.671

53, 73.709,
325.882

95, 34.401,
141.217

50, 82.662,
326.148

95, 34.205,
140.757

■ 48, 89.457,
326.303

■ 95, 34.010,
140.289

■ 46, 93.817,
326.334

■ 95, 33.818,
139.815

■ 46, 96.081,
326.261

■ 96, 33.627,
139.334

Harmonies

Complementary

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



75, 12.894, 323.595



78, 12.862, 142.565

Rectangle

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



75, 12.894, 323.595



75, 12.894, 13.595



75, 12.894, 143.595



75, 12.894, 193.595

Sweetspot

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



75, 12.892, 323.595



98, 4.688, 323.192



74, 10.120, 288.458



52, 3.555, 323.247



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 12.892, 323.595



92, 18.851, 323.707



75, 9.658, 340.972



39, 7.269, 323.559



37, 82.975, 326.289



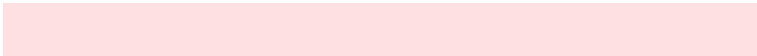
4, 26.176, 325.009

Inverse Universe

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



75, 7.611, 15.935



92, 11.200, 16.128



78, 9.562, 159.472



39, 4.283, 15.874



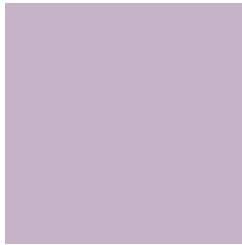
34, 72.657, 37.722



3, 15.911, 16.811

Previews

White Background



This preview shows how the CIELCh color 75, 12.894, 323.595 looks on a white background.

Color Contrast Check

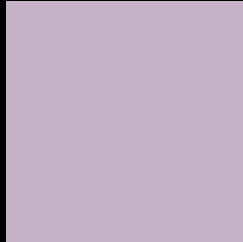
Large Text (above 18pt) WCAG AA × Fail

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 75, 12.894, 323.595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

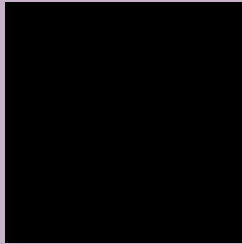
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 12.894, 323.595

Background



This preview shows how black text looks on a background with the CIELCh color 75, 12.894, 323.595.



This preview shows how white text looks on a background with the CIELCh color 75, 12.894, 323.595.

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


75, 12.894, 323.595

Protanopia

75, 10.271, 291.148

Deuteranopia

75, 12.516, 320.728



Tritanopia
75, 9.860, 330.212

Trichromacy



Original Color
75, 12.894, 323.595

Protanomaly
75, 11.147, 304.204

Deuteranomaly
75, 12.701, 322.181

Tritanomaly
75, 10.704, 326.517

Monochromacy



Original Color
75, 12.894, 323.595

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 4.602, 324.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 12.894, 323.595 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(198, 179, 199)` looks like.

```
.text, #text, p{  
    color:rgb(198, 179, 199)  
}
```

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(198, 179, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 179, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 12.894, 323.595 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(198, 179, 199) }
```

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

```
.border{ border-color:rgb(198, 179, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 179, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 179, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 179, 199);  
box-shadow:4px 4px 4px 4px rgb(198, 179,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 12.894, 323.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 179, 199) }
```

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

```
.background{ background-color: rgb(198,  
179, 199) }
```

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