

# Converting Colors

CIELCh(75, 5.939, 92.829)

Have a look what the booklet for  
CIELCh(75, 5.939, 92.829) contains.

<b>CIELCh(75, 5.692, 90.112)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**CIELCh(75, 5.692, 90.112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDB8AE
RGB	189, 184, 174
RGB Percent	74%, 72%, 68%
CMY	0.2580, 0.2776, 0.3168
CMYK	0.00, 0.03, 0.08, 0.26
HSL	40°, 10%, 71%
HSV	40°, 8%, 74%
XYZ	45.8830, 48.2781, 47.0506
YIQ	184.3550, 6.1900, -2.0500

# Conversions

## Conversions Part 2

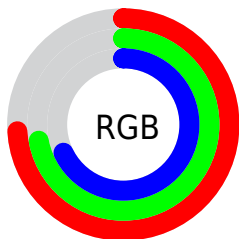
Format	Color
<a href="#">RYB</a>	<a href="#">182, 189, 174</a>
Decimal	<a href="#">12433582</a>
CIELab	<a href="#">75.00, -0.01, 5.69</a>
CIELCh	<a href="#">75, 5.692, 90.112</a>
Yxy	<a href="#">48.2781, 0.3249, 0.3419</a>
Android (android.graphics.Color)	<a href="#">4290623662</a> ( <a href="#">0xFFBDB8AE</a> )
YUV	<a href="#">184.3550, -5.1050, 4.0737</a>
Hunter-Lab	<a href="#">69.4824, -3.7212, 8.4890</a>

# Details

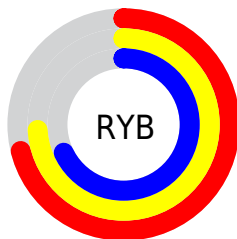
The CIELCh color `75, 5.692, 90.112` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `73, 5.697, 272.198`, and the grayscale version is `75, 0.009, 296.813`.

A 20% lighter version of the original color is `95, 5.896, 91.907`, and `55, 5.529, 87.894` is the 20% darker color. If you saturate the color by 10%, you get `73, 13.020, 88.888`, and if you desaturate by 10%, it is `77, 1.481, 271.549`.

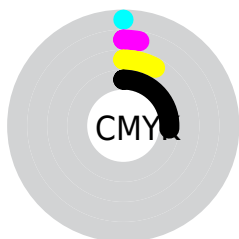
# Distribution



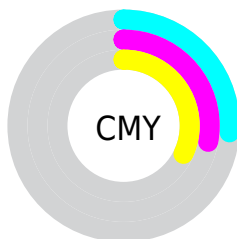
- Red (74%)
- Green (72%)
- Blue (68%)



- Red (71%)
- Yellow (74%)
- Blue (68%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (26%)



- Cyan (26%)
- Magenta (28%)
- Yellow (32%)

# Brightness & Saturation Gradients



These gradients show how the CIELCh color 75, 5.692, 90.112 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, 5.692, 90.112 by changing the saturation by 10% instead.



 75, 5.692, 90.112       75, 5.692, 90.112

 100, 5.692, 90.112       65, 5.692, 90.112

 95, 5.692, 90.112       55, 5.692, 90.112

 45, 5.692, 90.112

 35, 5.692, 90.112

 25, 5.692, 90.112

 15, 5.692, 90.112

 5, 5.692, 90.112

 0, 5.692, 90.112

 75, 5.692, 90.112       75, 5.692, 90.112

73, 13.020, 88.888

77, 1.481, 271.549

71, 20.492, 87.587

79, 8.506, 272.592

69, 28.083, 86.243

82, 15.389,  
273.702

67, 35.729, 84.859

84, 22.140,  
274.767

65, 43.301, 83.425

63, 50.559, 81.917

86, 22.051,  
269.150

61, 57.074, 80.272

87, 19.912,  
259.499

60, 62.192, 78.374

58, 65.350, 76.086

89, 18.441,  
248.048

90, 17.788,  
235.321

92, 18.021,  
222.395



# Harmonies

# Complementary

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



75, 5.692, 90.112



73, 5.697, 272.198

# Rectangle

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



75, 5.692, 90.112



75, 5.692, 140.112



75, 5.692, 270.112



75, 5.692, 320.112

# Sweetspot

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



75, 5.693, 90.131



96, 1.751, 90.737



73, 6.289, 354.355



51, 0.995, 90.741



98, 0.011, 296.813



51, 0.007, 296.813



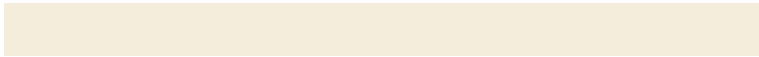


# Same Dimension

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



75, 5.693, 90.131



94, 8.874, 89.862



76, 8.101, 116.143



39, 4.067, 89.960



49, 57.756, 76.034



7, 11.054, 79.281



# Inverse Universe

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



73, 5.697, 272.198



91, 8.870, 272.497



72, 8.249, 297.295



37, 4.067, 272.387



27, 67.603, 296.170



3, 13.466, 278.814



# Previews

## White Background



This preview shows how the CIELCh color 75, 5.692, 90.112 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, 5.692, 90.112 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

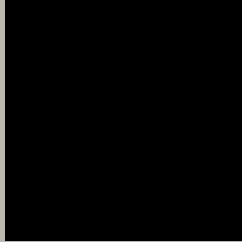
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

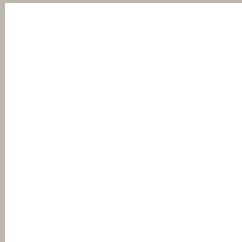
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 75, 5.692, 90.112

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 5.692, 90.112.

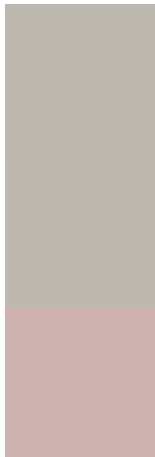


This preview shows how white text looks on a background with the CIELCh color 75, 5.692, 90.112.

# 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, 5.692, 90.112

### Protanopia

75, 5.829, 86.554

### Deuteranopia

75, 10.921, 28.701





**Tritanopia**  
75, 8.614, 318.670

# Trichromacy



**Original Color**  
75, 5.692, 90.112

**Protanomaly**  
75, 5.829, 86.554

**Deuteranomaly**  
75, 8.133, 39.194

**Tritanomaly**  
75, 4.323, 341.052

# Monochromacy



**Original Color**  
75, 5.692, 90.112

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
75, 2.265, 90.635

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 5.692, 90.112 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(189, 184, 174)` looks like.

```
.text, #text, p{  
    color:rgb(189, 184, 174)  
}
```

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(189, 184, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 184, 174) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 5.692, 90.112 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(189, 184, 174) }
```

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

```
.border{ border-color:rgb(189, 184, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 184, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 184, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 184, 174);  
box-shadow:4px 4px 4px 4px rgb(189, 184,  
174) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 5.692, 90.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 184, 174) }
```

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

```
.background{ background-color: rgb(189,  
184, 174) }
```

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