

# Converting Colors

CIELCh(75, 9.212, 108.613)

Have a look what the booklet for  
CIELCh(75, 9.212, 108.613) contains.

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# **Color**

**CIELCh(75, 9.130, 109.302)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BABAA9
RGB	186, 186, 169
RGB Percent	73%, 73%, 66%
CMY	0.2715, 0.2715, 0.3382
CMYK	0.00, 0.00, 0.09, 0.27
HSL	60°, 11%, 70%
HSV	60°, 9%, 73%
XYZ	44.8359, 48.2781, 44.3727
YIQ	184.0620, 5.4570, -5.2870

# Conversions

## Conversions Part 2

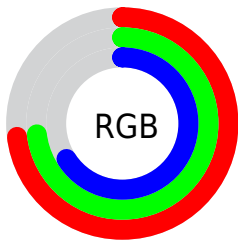
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 186, 169
Decimal	12237481
CIE <sub>Lab</sub>	75.00, -3.02, 8.62
CIE <sub>LCh</sub>	75, 9.130, 109.302
Yxy	48.2781, 0.3261, 0.3511
Android (android.graphics.Color)	4290427561 (0xFFBABA9)
YUV	184.0620, -7.4256, 1.6996
Hunter-Lab	69.4824, -6.4112, 10.7741

# Details

The CIELCh color `75, 9.130, 109.302` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `70, 9.328, 291.123`, and the grayscale version is `75, 0.009, 296.813`.

A 20% lighter version of the original color is `95, 9.202, 109.452`, and `55, 9.135, 109.058` is the 20% darker color. If you saturate the color by 10%, you get `75, 19.062, 108.353`, and if you desaturate by 10%, it is `75, 0.858, 290.338`.

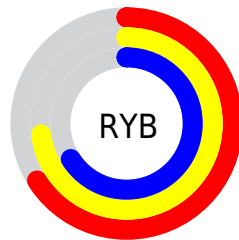
# Distribution



Red (73%)

Green (73%)

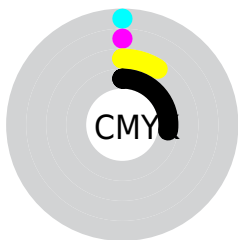
Blue (66%)



Red (66%)

Yellow (73%)

Blue (66%)

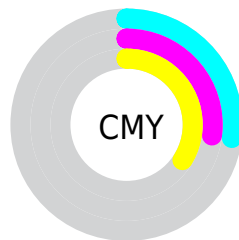


Cyan (0%)

Magenta (0%)

Yellow (9%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (34%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 9.130, 109.302 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, 9.130, 109.302 by changing the saturation by 10% instead.



 75, 9.130, 109.302

 75, 9.130, 109.302

 100, 9.130,  
109.302

 65, 9.130, 109.302

 95, 9.130, 109.302

 55, 9.130, 109.302

 45, 9.130, 109.302

 35, 9.130, 109.302

 25, 9.130, 109.302

 15, 9.130, 109.302

 5, 9.130, 109.302

 0, 9.130, 109.302

 75, 9.130, 109.302

 75, 9.130, 109.302

75, 19.062,  
108.353

75, 0.858, 290.338

74, 28.864,  
107.396

76, 10.863,  
291.200

74, 38.433,  
106.459

77, 20.852,  
292.095

74, 47.603,  
105.565

77, 30.804,  
292.956

74, 56.129,  
104.745

78, 37.172,  
293.490

73, 63.653,  
104.033

78, 37.172,  
293.492

73, 69.725,  
103.469

78, 37.172,  
293.494

73, 73.904,  
103.088

78, 37.172,  
293.496

73, 76.208,

78, 37.172,  
293.498



# Harmonies

# Complementary

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



75, 9.130, 109.302



70, 9.328, 291.123

# Rectangle

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



75, 9.130, 109.302



75, 9.130, 159.302



75, 9.130, 289.302



75, 9.130, 339.302

# Sweetspot

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



75, 9.132, 109.311



95, 3.711, 109.879



71, 6.524, 19.901



51, 2.837, 109.806



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, 9.132, 109.311



95, 13.615, 109.117



74, 9.732, 128.680



39, 5.600, 109.294



62, 66.992, 102.866



10, 15.132, 108.853



# Inverse Universe

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



70, 9.328, 291.123



87, 13.967, 291.348



70, 9.862, 309.462



35, 5.722, 291.143



17, 92.503, 306.288



1, 15.385, 290.304



# Previews

## White Background



This preview shows how the CIELCh color 75, 9.130, 109.302 looks on a white background.

## Color Contrast Check

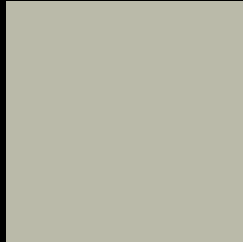
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIElCh color 75, 9.130, 109.302 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

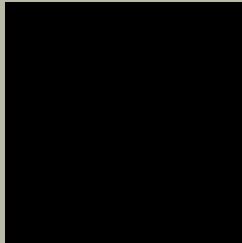
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

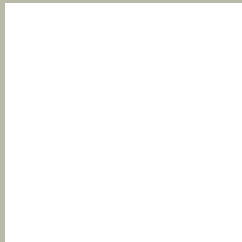
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 75, 9.130, 109.302

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 9.130, 109.302.



This preview shows how white text looks on a background with the CIELCh color 75, 9.130, 109.302.

# 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, 9.130, 109.302

### Protanopia

75, 9.129, 89.553

### Deuteranopia

75, 12.495, 40.300





**Tritanopia**  
75, 8.145, 311.806

# Trichromacy



**Original Color**  
75, 9.130, 109.302

**Protanomaly**  
75, 9.325, 97.365

**Deuteranomaly**  
75, 9.455, 58.426

**Tritanomaly**  
75, 2.483, 338.685

# Monochromacy



**Original Color**  
75, 9.130, 109.302

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
75, 3.761, 109.804

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 9.130, 109.302 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(186, 186, 169)` looks like.

```
.text, #text, p{  
    color:rgb(186, 186, 169)  
}
```

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(186, 186, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 186, 169) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 9.130, 109.302 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(186, 186, 169) }
```

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

```
.border{ border-color:rgb(186, 186, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 186, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 186, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 186, 169);  
box-shadow:4px 4px 4px 4px rgb(186, 186,  
169) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 9.130, 109.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 186, 169) }
```

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

```
.background{ background-color: rgb(186,  
186, 169) }
```

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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