

# Converting Colors

CIELCh(75, 8.990, 92.216)

Have a look what the booklet for  
CIELCh(75, 8.990, 92.216) contains.

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# Color

**CIELCh(75, 9.006, 91.884)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFB8A8
RGB	191, 184, 168
RGB Percent	75%, 72%, 66%
CMY	0.2503, 0.2778, 0.3406
CMYK	0.00, 0.04, 0.12, 0.25
HSL	42°, 15%, 70%
HSV	42°, 12%, 75%
XYZ	45.7831, 48.2781, 44.0285
YIQ	184.2690, 9.3080, -3.4920

# Conversions

## Conversions Part 2

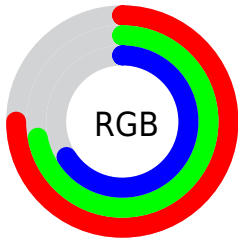
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 191, 168
Decimal	12564648
CIELab	75.00, -0.30, 9.00
CIELCh	75, 9.006, 91.884
Yxy	48.2781, 0.3315, 0.3496
Android (android.graphics.Color)	4290754728 (0xFFBFB8A8)
YUV	184.2690, -8.0206, 5.9031
Hunter-Lab	69.4824, -3.9779, 11.0678

# Details

The CIELCh color `75, 9.006, 91.884` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `71, 9.029, 274.973`, and the grayscale version is `75, 0.009, 296.813`.

A 20% lighter version of the original color is `95, 9.051, 93.099`, and `55, 8.928, 92.924` is the 20% darker color. If you saturate the color by 10%, you get `73, 16.643, 90.642`, and if you desaturate by 10%, it is `77, 1.501, 92.999`.

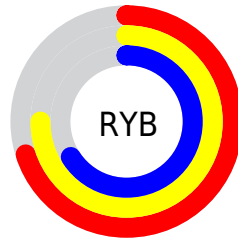
# Distribution



Red (75%)

Green (72%)

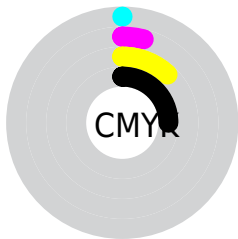
Blue (66%)



Red (70%)

Yellow (75%)

Blue (66%)

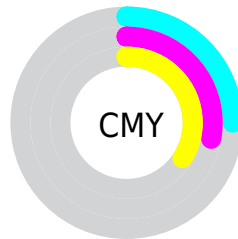


Cyan (0%)

Magenta (4%)

Yellow (12%)

Black (25%)



Cyan (25%)

Magenta (28%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 9.006, 91.884 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, 9.006, 91.884 by changing the saturation by 10% instead.



 75, 9.006, 91.884

 75, 9.006, 91.884

 100, 9.006, 91.884

 65, 9.006, 91.884

 95, 9.006, 91.884

 55, 9.006, 91.884

 45, 9.006, 91.884

 35, 9.006, 91.884

 25, 9.006, 91.884

 15, 9.006, 91.884

 5, 9.006, 91.884

 0, 9.006, 91.884

 75, 9.006, 91.884

 75, 9.006, 91.884

73, 16.643, 90.642

77, 1.501, 92.999

71, 24.388, 89.342

79, 5.870, 274.353

69, 32.196, 88.002

81, 13.109,  
275.458

68, 39.969, 86.623

83, 20.223,  
276.526

66, 47.524, 85.192

64, 54.535, 83.679

85, 22.868,  
273.899

63, 60.468, 82.014

87, 20.599,  
265.806

61, 64.606, 80.073

60, 66.648, 78.321

88, 18.825,  
256.050

90, 17.679,  
244.761

91, 17.274,  
232.540



# Harmonies

# Complementary

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



75, 9.006, 91.884



71, 9.029, 274.973

# Rectangle

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



75, 9.006, 91.884



75, 9.006, 141.884



75, 9.006, 271.884



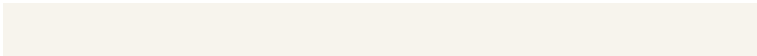
75, 9.006, 321.884

# Sweetspot

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



75, 9.007, 91.897



96, 3.658, 92.827



71, 9.615, 355.919



52, 2.624, 92.746



99, 0.012, 296.813



52, 0.007, 296.813



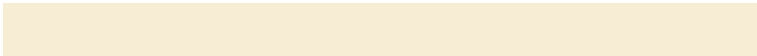


# Same Dimension

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



75, 9.007, 91.897



94, 12.946, 91.627



77, 12.411, 116.517



39, 4.186, 92.222



50, 57.947, 78.724



8, 11.381, 82.631



# Inverse Universe

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



71, 9.029, 274.973



89, 12.975, 275.286



70, 12.736, 298.246



37, 4.198, 274.605



26, 70.694, 297.727

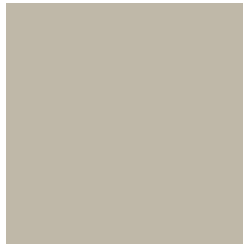


3, 13.783, 280.103



# Previews

## White Background



This preview shows how the CIELCh color 75, 9.006, 91.884 looks on a white background.

## Color Contrast Check

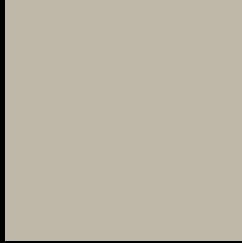
Large Text (above 18pt) WCAG AA × Fail

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, 9.006, 91.884 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

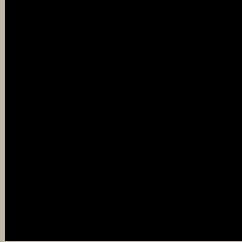
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

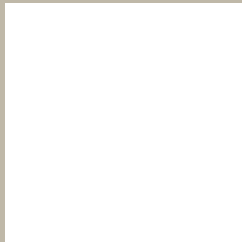
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 75, 9.006, 91.884

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 9.006, 91.884.



This preview shows how white text looks on a background with the CIELCh color 75, 9.006, 91.884.

# 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, 9.006, 91.884


### Protanopia

75, 9.129, 89.553

### Deuteranopia

75, 12.717, 42.507





**Tritanopia**  
75, 9.407, 326.688

# Trichromacy



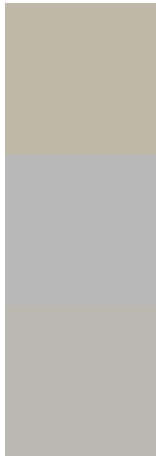
**Original Color**  
75, 9.006, 91.884

**Protanomaly**  
75, 9.129, 89.553

**Deuteranomaly**  
75, 10.423, 54.390

**Tritanomaly**  
75, 4.786, 359.990

# Monochromacy



**Original Color**  
75, 9.006, 91.884

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
75, 3.407, 90.472

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 9.006, 91.884 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(191, 184, 168)` looks like.

```
.text, #text, p{  
    color:rgb(191, 184, 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(191, 184, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 184, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 9.006, 91.884 is called "border". The border property can be set on classes, ids or directly on the HTML element.

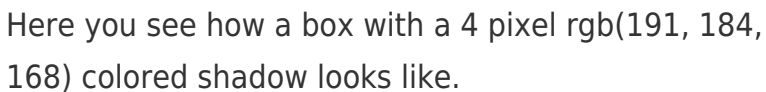
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 184, 168) }
```

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

```
.border{ border-color:rgb(191, 184, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 184, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 184, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 184, 168); box-shadow:4px 4px 4px 4px rgb(191, 184, 168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 9.006, 91.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 184, 168) }
```

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

```
.background{ background-color: rgb(191,  
184, 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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