

# Converting Colors

CIELCh(75, 6.381, 45.496)

Have a look what the booklet for  
CIELCh(75, 6.381, 45.496) contains.

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# Color

**CIELCh(75, 6.568, 49.095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5B6B0
RGB	197, 182, 176
RGB Percent	77%, 71%, 69%
CMY	0.2287, 0.2875, 0.3110
CMYK	0.00, 0.08, 0.11, 0.23
HSL	17°, 15%, 73%
HSV	17°, 11%, 77%
XYZ	47.4129, 48.2781, 47.7334
YIQ	185.8010, 10.8660, 1.3140

# Conversions

## Conversions Part 2

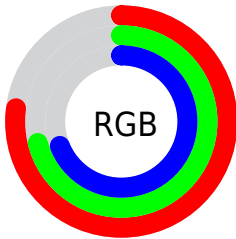
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 184, 176
Decimal	12957360
CIELab	75.00, 4.30, 4.96
CIELCh	75, 6.568, 49.095
Yxy	48.2781, 0.3306, 0.3366
Android (android.graphics.Color)	4291147440 (0xFFC5B6B0)
YUV	185.8010, -4.8319, 9.8215
Hunter-Lab	69.4824, 0.2092, 7.9064

# Details

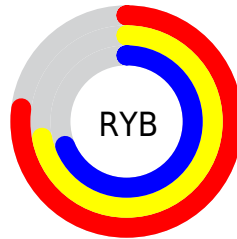
The CIELCh color  $75, 6.568, 49.095$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $76, 6.190, 230.636$ , and the grayscale version is  $75, 0.009, 296.813$ .

A 20% lighter version of the original color is  $95, 6.534, 47.633$ , and  $55, 6.401, 46.345$  is the 20% darker color. If you saturate the color by 10%, you get  $71, 13.221, 48.634$ , and if you desaturate by 10%, it is  $79, 0.396, 48.495$ .

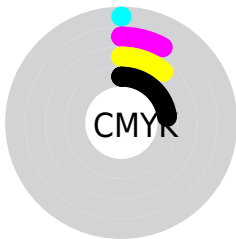
# Distribution



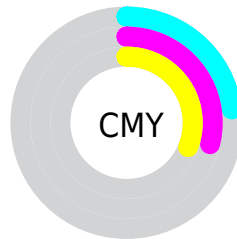
- Red (77%)
- Green (71%)
- Blue (69%)



- Red (77%)
- Yellow (72%)
- Blue (69%)



- Cyan (0%)
- Magenta (8%)
- Yellow (11%)
- Black (23%)



- Cyan (23%)
- Magenta (29%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 6.568, 49.095 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, 6.568, 49.095 by changing the saturation by 10% instead.



 75, 6.568, 49.095

 75, 6.568, 49.095

 100, 6.568, 49.095

 65, 6.568, 49.095

 95, 6.568, 49.095

 55, 6.568, 49.095

 45, 6.568, 49.095

 35, 6.568, 49.095

 25, 6.568, 49.095

 15, 6.568, 49.095

 5, 6.568, 49.095

 0, 6.568, 49.095

 75, 6.568, 49.095

 75, 6.568, 49.095

71, 13.221, 48.634

79, 0.396, 48.495

67, 20.403, 48.212

83, 5.344, 230.493

63, 28.145, 47.891

87, 10.701,  
231.096

59, 36.456, 47.695

92, 15.721,  
231.746

56, 45.290, 47.633

53, 54.497, 47.673

95, 18.114,  
203.353

50, 63.706, 47.694

96, 19.108,  
198.244

47, 72.095, 47.366

45, 78.470, 46.629

# Harmonies

# Complementary

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



75, 6.568, 49.095



76, 6.190, 230.636

# Rectangle

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



75, 6.568, 49.095



75, 6.568, 99.095



75, 6.568, 229.095



75, 6.568, 279.095

# Sweetspot

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



75, 6.568, 49.115



98, 2.212, 49.353



74, 11.303, 334.307



52, 1.683, 49.364



0, 0.000, 0.000



53, 0.007, 296.813

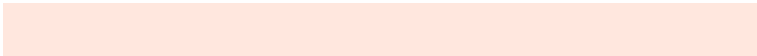


# Same Dimension

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



75, 6.568, 49.115



93, 9.973, 48.993



78, 8.934, 98.146



40, 3.504, 49.176



38, 67.979, 47.071



5, 13.635, 36.969





# Inverse Universe

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



76, 6.190, 230.636



95, 9.256, 230.828



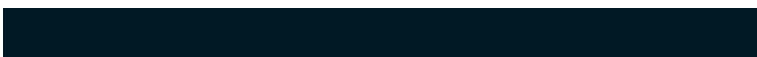
74, 9.033, 280.698



40, 3.328, 230.546



46, 34.190, 252.926



8, 11.282, 242.249



# Previews

## White Background



This preview shows how the CIELCh color 75, 6.568, 49.095 looks on a white background.

## Color Contrast Check

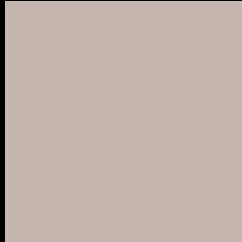
Large Text (above 18pt) WCAG AA × Fail

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, 6.568, 49.095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

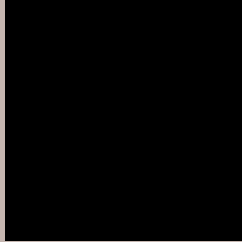
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 75, 6.568, 49.095

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 6.568, 49.095.



This preview shows how white text looks on a background with the CIELCh color 75, 6.568, 49.095.

# 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, 6.568, 49.095

### Protanopia

75, 4.380, 78.548

### Deuteranopia

75, 10.831, 25.925



**Tritanopia**  
75, 10.613, 334.938



# Trichromacy



**Original Color**  
75, 6.568, 49.095

**Protanomaly**  
75, 4.683, 63.017

**Deuteranomaly**  
75, 9.356, 29.994

**Tritanomaly**  
75, 7.739, 350.873

# Monochromacy



**Original Color**  
75, 6.568, 49.095

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
75, 2.147, 49.343

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 6.568, 49.095 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(197, 182, 176)` looks like.

```
.text, #text, p{  
    color:rgb(197, 182, 176)  
}
```

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(197, 182, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 182, 176) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 6.568, 49.095 is called "border". The border property can be set on classes, ids or directly on the HTML element.

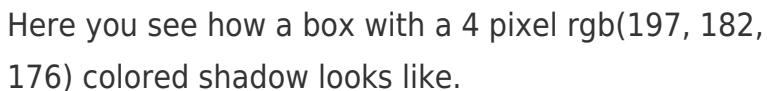
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 182, 176) }
```

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

```
.border{ border-color:rgb(197, 182, 176) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 182, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 182, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 182, 176); box-shadow:4px 4px 4px 4px rgb(197, 182, 176) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 6.568, 49.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 182, 176) }
```

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

```
.background{ background-color: rgb(197,  
182, 176) }
```

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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