

# Converting Colors

CIELCh(75, 18.440, 117.895)

Have a look what the booklet for  
CIELCh(75, 18.440, 117.895)  
contains.

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# Color

**CIELCh(75, 18.421, 117.010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5BC9A
RGB	181, 188, 154
RGB Percent	71%, 74%, 60%
CMY	0.2891, 0.2617, 0.3951
CMYK	0.04, 0.00, 0.18, 0.26
HSL	72°, 20%, 67%
HSV	72°, 18%, 74%
XYZ	43.0130, 48.2781, 37.7362
YIQ	182.0310, 6.7420, -12.0580

# Conversions

## Conversions Part 2

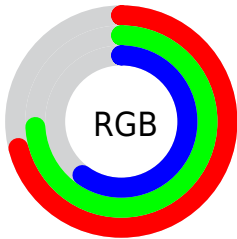
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 188, 161
Decimal	11910298
CIELab	75.00, -8.37, 16.41
CIELCh	75, 18.421, 117.010
Yxy	48.2781, 0.3334, 0.3742
Android (android.graphics.Color)	4290100378 (0xFFB5BC9A)
YUV	182.0310, -13.8193, -0.9042
Hunter-Lab	69.4824, -11.0941, 16.4371

# Details

The CIELCh color **75, 18.421, 117.010** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **65, 19.137, 299.568**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 18.565, 116.759**, and **55, 18.421, 117.199** is the 20% darker color. If you saturate the color by 10%, you get **74, 28.495, 116.335**, and if you desaturate by 10%, it is **76, 8.238, 117.691**.

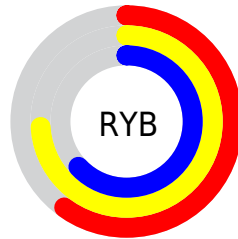
# Distribution



Red (71%)

Green (74%)

Blue (60%)



Red (60%)

Yellow (74%)

Blue (63%)

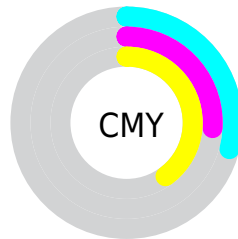


Cyan (4%)

Magenta (0%)

Yellow (18%)

Black (26%)



Cyan (29%)

Magenta (26%)


Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 18.421, 117.010 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, 18.421, 117.010 by changing the saturation by 10% instead.





 75, 18.421,  
117.010


 75, 18.421,  
117.010


 100, 18.421,  
117.010


 65, 18.421,  
117.010


 95, 18.421,  
117.010

 55, 18.421,  
117.010

 45, 18.421,  
117.010

 35, 18.421,  
117.010

 25, 18.421,  
117.010

 15, 18.421,  
117.010

 5, 18.421, 117.010

0, 18.421, 117.010

75, 18.421,  
117.010

75, 18.421,  
117.010

74, 28.495,  
116.335

76, 8.238, 117.691

77, 1.989, 298.341

74, 38.352,  
115.674

77, 12.211,  
298.979

73, 47.840,  
115.063

78, 22.394,  
299.580

73, 56.727,  
114.547

79, 32.513,  
300.146

72, 64.679,  
114.193

80, 36.153,  
301.630

72, 71.260,  
114.085

80, 36.353,

■ 72, 76.017,  
114.314

303.620

■ 71, 78.826,  
114.917

■ 80, 36.593,  
305.605

■ 71, 79.291,  
115.045

■ 81, 36.874,  
307.579

# Harmonies

# Complementary

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



75, 18.421, 117.010



65, 19.137, 299.568

# Rectangle

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



75, 18.421, 117.010



75, 18.421, 167.010



75, 18.421, 297.010



75, 18.421, 347.010

# Sweetspot

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



75, 18.423, 117.014



96, 6.319, 117.890



68, 11.446, 39.168



51, 4.310, 117.843



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, 18.423, 117.014



94, 27.726, 116.722



74, 20.521, 134.934



40, 5.799, 117.604



61, 69.635, 114.898



10, 17.464, 120.116



# Inverse Universe

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



65, 19.137, 299.568



80, 29.080, 299.941



67, 20.802, 316.486



37, 5.918, 298.874



19, 92.027, 307.392



1, 17.555, 296.359



# Previews

## White Background



This preview shows how the CIELCh color 75, 18.421, 117.010 looks on a white background.

## Color Contrast Check

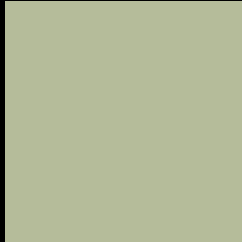
Large Text (above 18pt) WCAG AA × Fail

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, 18.421, 117.010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

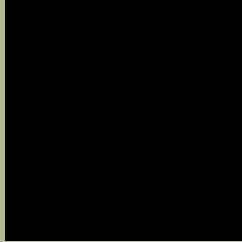
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

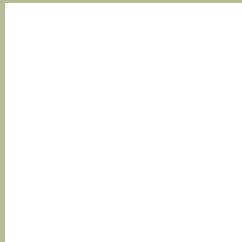
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 75, 18.421, 117.010

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 18.421, 117.010.



This preview shows how white text looks on a background with the CIELCh color 75, 18.421, 117.010.

# 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, 18.421, 117.010

**Protanopia**  
75, 17.730, 94.183

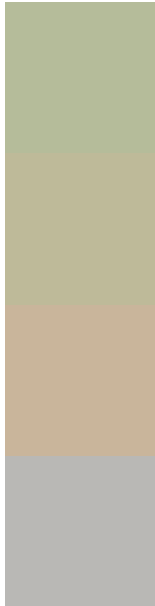
**Deuteranopia**  
75, 18.168, 58.401





**Tritanopia**  
75, 8.339, 303.461

# Trichromacy



**Original Color**  
75, 18.421, 117.010

**Protanomaly**  
75, 17.749, 103.354

**Deuteranomaly**  
75, 16.146, 79.185

**Tritanomaly**  
75, 1.647, 96.876

# Monochromacy



**Original Color**  
75, 18.421, 117.010

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
74, 6.512, 116.244

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 18.421, 117.010 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(181, 188, 154)` looks like.

```
.text, #text, p{  
    color:rgb(181, 188, 154)  
}
```

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(181, 188, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 188, 154) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 18.421, 117.010 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(181, 188, 154) }
```

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

```
.border{ border-color:rgb(181, 188, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 188, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 188, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 188, 154);  
box-shadow:4px 4px 4px 4px rgb(181, 188,  
154) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 18.421, 117.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 188, 154) }
```

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

```
.background{ background-color: rgb(181,  
188, 154) }
```

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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