

Converting Colors

CIELCh(75, 12.386, 109.888)

Have a look what the booklet for
CIELCh(75, 12.386, 109.888)
contains.

CIELCh(75, 12.346, 108.995)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(75, 12.346, 108.995)

Conversions

Conversions Part 1

Format	Color
Hex	BABAA3
RGB	186, 186, 163
RGB Percent	73%, 73%, 64%
CMY	0.2701, 0.2701, 0.3603
CMYK	0.00, 0.00, 0.12, 0.27
HSL	60°, 14%, 68%
HSV	60°, 12%, 73%
XYZ	44.4910, 48.2781, 41.6845
YIQ	183.3780, 7.3830, -7.1530

Conversions

Conversions Part 2

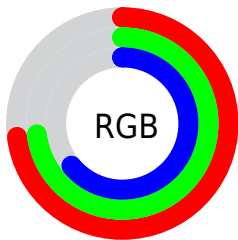
Format	Color
R_{YB}	163, 186, 163
Decimal	12237475
CIE _{Lab}	75.00, -4.02, 11.67
CIE _{LCh}	75, 12.346, 108.995
Yxy	48.2781, 0.3309, 0.3591
Android (android.graphics.Color)	4290427555 (0xFFBABA3)
YUV	183.3780, -10.0464, 2.2995
Hunter-Lab	69.4824, -7.2972, 13.0679

Details

The CIELCh color **75, 12.346, 108.995** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68, 12.699, 291.480**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 12.267, 109.213**, and **55, 12.547, 108.637** is the 20% darker color. If you saturate the color by 10%, you get **75, 22.262, 108.042**, and if you desaturate by 10%, it is **75, 2.355, 109.936**.

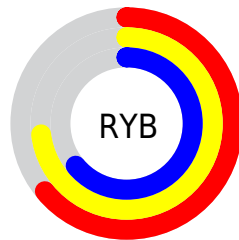
Distribution



Red (73%)

Green (73%)

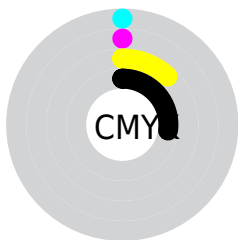
Blue (64%)



Red (64%)

Yellow (73%)

Blue (64%)

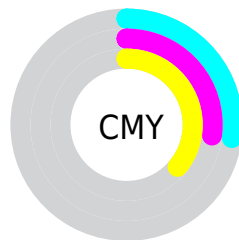


Cyan (0%)

Magenta (0%)

Yellow (12%)

Black (27%)



Cyan (27%)


Magenta (27%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 12.346, 108.995 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, 12.346, 108.995 by changing the saturation by 10% instead.


 75, 12.346,
108.995


 75, 12.346,
108.995


 100, 12.346,
108.995


 65, 12.346,
108.995


 95, 12.346,
108.995

 55, 12.346,
108.995

 45, 12.346,
108.995

 35, 12.346,
108.995

 25, 12.346,
108.995

 15, 12.346,
108.995

 5, 12.346, 108.995

■ 0, 12.346, 108.995

■ 75, 12.346,
108.995

■ 75, 12.346,
108.995

■ 75, 22.262,
108.042

■ 75, 2.355, 109.936

■ 74, 32.019,
107.089

■ 76, 7.666, 290.906

■ 74, 41.497,
106.163

■ 77, 17.679,
291.809

■ 74, 50.507,
105.289

■ 77, 27.661,
292.682

■ 74, 58.768,
104.498

■ 78, 36.958,
293.465

■ 73, 65.889,
103.830

■ 78, 36.958,
293.466

■ 78, 36.958,

■ 73, 71.403,
103.322

293.467

■ 73, 74.915,
103.004

■ 78, 36.958,
293.469

■ 73, 76.496,
102.862

■ 78, 36.958,
293.470

Harmonies

Complementary

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



75, 12.346, 108.995



68, 12.699, 291.480

Rectangle

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



75, 12.346, 108.995



75, 12.346, 158.995



75, 12.346, 288.995



75, 12.346, 338.995

Sweetspot

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



75, 12.348, 109.002



95, 4.951, 109.785



69, 8.938, 20.155



51, 3.548, 109.715



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, 12.348, 109.002



95, 18.549, 108.725



74, 13.176, 128.531



39, 5.600, 109.291



62, 66.992, 102.862



10, 15.132, 108.848

Inverse Universe

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



68, 12.699, 291.480



84, 19.200, 291.821



69, 13.402, 309.615



35, 5.722, 291.140



17, 92.504, 306.288



1, 15.385, 290.302

Previews

White Background



This preview shows how the CIELCh color 75, 12.346, 108.995 looks on a white background.

Color Contrast Check

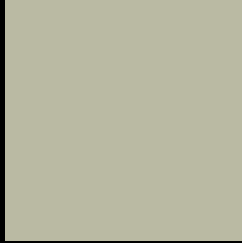
Large Text (above 18pt) WCAG AA × Fail

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, 12.346, 108.995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

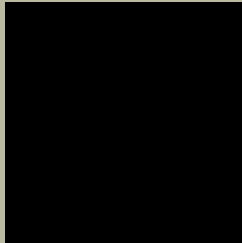
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

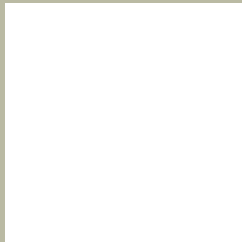
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 12.346, 108.995

Background



This preview shows how black text looks on a background with the CIELCh color 75, 12.346, 108.995.

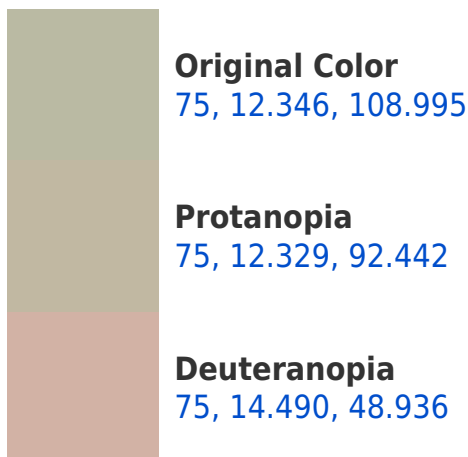



This preview shows how white text looks on a background with the CIELCh color 75, 12.346, 108.995.

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





Tritanopia
75, 8.935, 314.965

Trichromacy



Original Color
75, 12.346, 108.995

Protanomaly
75, 12.563, 98.242

Deuteranomaly
75, 12.077, 68.742

Tritanomaly
75, 2.310, 5.886

Monochromacy



Original Color
75, 12.346, 108.995

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 4.838, 109.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 12.346, 108.995 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(186, 186, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 186, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 12.346, 108.995 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, 163) }
```

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

```
.border{ border-color:rgb(186, 186, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 186, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 186, 163);  
box-shadow:4px 4px 4px 4px rgb(186, 186,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 12.346, 108.995 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, 163) }
```

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

```
.background{ background-color: rgb(186,  
186, 163) }
```

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