

Converting Colors

CIELCh(75, 12.684, 100.982)

Have a look what the booklet for
CIELCh(75, 12.684, 100.982)
contains.

CIELCh(75, 12.497, 100.011)	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, 12.497, 100.011)

Conversions

Conversions Part 1

Format	Color
Hex	BEB9A2
RGB	190, 185, 162
RGB Percent	75%, 73%, 64%
CMY	0.2547, 0.2743, 0.3645
CMYK	0.00, 0.03, 0.15, 0.25
HSL	49°, 18%, 69%
HSV	49°, 15%, 75%
XYZ	45.1287, 48.2781, 41.1418
YIQ	183.8730, 10.3630, -6.0930

Conversions

Conversions Part 2

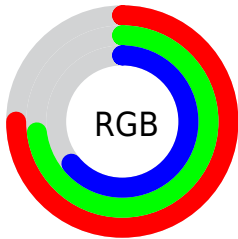
Format	Color
RYB	168, 190, 162
Decimal	12499362
CIELab	75.00, -2.17, 12.31
CIELCh	75, 12.497, 100.011
Yxy	48.2781, 0.3354, 0.3588
Android (android.graphics.Color)	4290689442 (0xFFBEB9A2)
YUV	183.8730, -10.7834, 5.3734
Hunter-Lab	69.4824, -5.6590, 13.5310

Details

The CIELCh color **75, 12.497, 100.011** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69, 12.733, 283.470**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 12.398, 100.679**, and **55, 12.666, 100.996** is the 20% darker color. If you saturate the color by 10%, you get **74, 21.028, 98.873**, and if you desaturate by 10%, it is **76, 3.997, 101.116**.

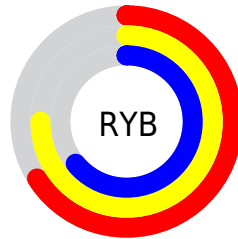
Distribution



Red (75%)

Green (73%)

Blue (64%)



Red (66%)

Yellow (75%)

Blue (64%)

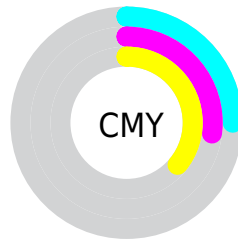


Cyan (0%)

Magenta (3%)

Yellow (15%)

Black (25%)



Cyan (25%)


Magenta (27%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 12.497, 100.011 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, 12.497, 100.011 by changing the saturation by 10% instead.


 75, 12.497,
100.011


 75, 12.497,
100.011


 100, 12.497,
100.011


 65, 12.497,
100.011


 95, 12.497,
100.011

 55, 12.497,
100.011

 45, 12.497,
100.011

 35, 12.497,
100.011

 25, 12.497,
100.011

 15, 12.497,
100.011

 5, 12.497, 100.011

0, 12.497, 100.011

75, 12.497,
100.011

75, 12.497,
100.011

74, 21.028, 98.873

76, 3.997, 101.116

72, 29.532, 97.700

78, 4.449, 282.266

71, 37.919, 96.512

79, 12.822,
283.288

70, 46.027, 95.316

81, 21.116,
284.281

69, 53.591, 94.117

68, 60.193, 92.914

82, 28.250,
284.816

67, 65.261, 91.687

83, 26.549,
281.745

66, 68.212, 90.394

84, 24.933,

■ 66, 69.193, 89.693 278.287

■ 85, 23.419,
274.389

■ 86, 22.025,
270.002

Harmonies

Complementary

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



75, 12.497, 100.011



69, 12.733, 283.470

Rectangle

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



75, 12.497, 100.011



75, 12.497, 150.011



75, 12.497, 280.011



75, 12.497, 330.011

Sweetspot

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



75, 12.498, 100.019



97, 4.181, 101.184



69, 11.170, 5.900



52, 2.998, 101.106



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, 12.498, 100.019



94, 18.933, 99.615



76, 15.392, 121.613



39, 4.770, 100.620



55, 60.458, 89.900



9, 13.328, 95.618

Inverse Universe

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



69, 12.733, 283.470



85, 19.373, 283.965



68, 15.821, 303.297



37, 4.832, 282.775



21, 82.915, 302.818



2, 15.231, 285.067

Previews

White Background



This preview shows how the CIELCh color 75, 12.497, 100.011 looks on a white background.

Color Contrast Check

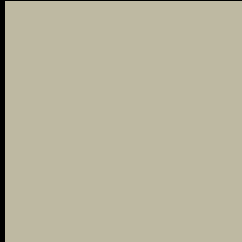
Large Text (above 18pt) WCAG AA × Fail

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, 12.497, 100.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

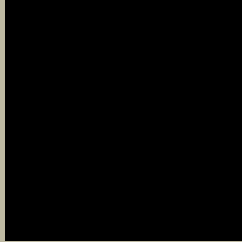
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

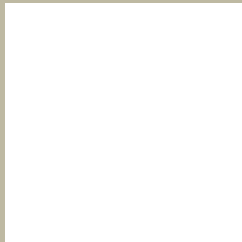
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 12.497, 100.011

Background



This preview shows how black text looks on a background with the CIELCh color 75, 12.497, 100.011.



This preview shows how white text looks on a background with the CIELCh color 75, 12.497, 100.011.

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, 12.497, 100.011

Protanopia

75, 12.329, 92.442

Deuteranopia

75, 15.095, 52.337



Tritanopia
75, 9.643, 323.003

Trichromacy



Original Color
75, 12.497, 100.011

Protanomaly
75, 12.223, 94.212

Deuteranomaly
75, 13.027, 67.543

Tritanomaly
75, 4.168, 12.215

Monochromacy



Original Color
75, 12.497, 100.011

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 4.362, 99.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 12.497, 100.011 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(190, 185, 162)` looks like.

```
.text, #text, p{  
    color:rgb(190, 185, 162)  
}
```

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(190, 185, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 185, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 12.497, 100.011 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(190, 185, 162) }
```

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

```
.border{ border-color:rgb(190, 185, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 185, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 185, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 185, 162);  
box-shadow:4px 4px 4px 4px rgb(190, 185,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 12.497, 100.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 185, 162) }
```

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

```
.background{ background-color: rgb(190,  
185, 162) }
```

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