

Converting Colors

CIELCh(75, 37.012, 105.934)

Have a look what the booklet for
CIELCh(75, 37.012, 105.934)
contains.

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Color

CIELCh(75, 36.983, 105.977)

Conversions

Conversions Part 1

Format	Color
Hex	BDBC76
RGB	189, 188, 118
RGB Percent	74%, 74%, 46%
CMY	0.2575, 0.2615, 0.5361
CMYK	0.00, 0.01, 0.38, 0.26
HSL	59°, 35%, 60%
HSV	59°, 38%, 74%
XYZ	42.4062, 48.2781, 24.3167
YIQ	180.3190, 23.0660, -21.5580

Conversions

Conversions Part 2

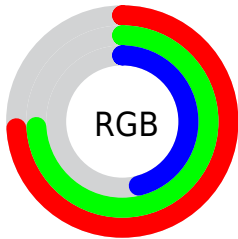
Format	Color
RYB	119, 189, 118
Decimal	12434550
CIELab	75.00, -10.18, 35.55
CIELCh	75, 36.983, 105.977
Yxy	48.2781, 0.3687, 0.4198
Android (android.graphics.Color)	4290624630 (0xFFBDBC76)
YUV	180.3190, -30.7233, 7.6132
Hunter-Lab	69.4824, -12.6531, 27.8880

Details

The CIELCh color $75, 36.983, 105.977$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $53, 40.554, 294.541$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 36.944, 106.054$, and $55, 37.092, 106.323$ is the 20% darker color. If you saturate the color by 10%, you get $75, 46.282, 105.055$, and if you desaturate by 10%, it is $75, 27.331, 106.941$.

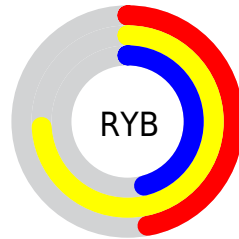
Distribution



Red (74%)

Green (74%)

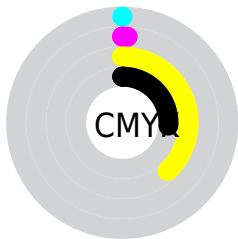
Blue (46%)



Red (47%)

Yellow (74%)

Blue (46%)

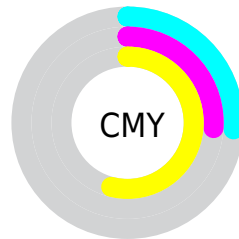


Cyan (0%)

Magenta (1%)

Yellow (38%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 36.983, 105.977 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, 36.983, 105.977 by changing the saturation by 10% instead.


 75, 36.983,
105.977


 75, 36.983,
105.977


 100, 36.983,
105.977


 65, 36.983,
105.977


 95, 36.983,
105.977

 55, 36.983,
105.977

 45, 36.983,
105.977

 35, 36.983,
105.977

 25, 36.983,
105.977

 15, 36.983,
105.977

 5, 36.983, 105.977

■ 0, 36.983, 105.977

■ 75, 36.983,
105.977

■ 75, 36.983,
105.977

■ 75, 46.282,
105.055

■ 75, 27.331,
106.941

■ 74, 54.989,
104.192

■ 76, 17.473,
107.915

■ 74, 62.764,
103.424

■ 76, 7.509, 108.883

■ 77, 2.499, 289.877

■ 74, 69.156,
102.789

■ 77, 12.511,
290.789

■ 74, 73.689,
102.320

■ 78, 22.498,
291.688

■ 74, 76.170,
102.024

■ 79, 32.443,

■ 74, 76.659,
101.961

292.552

■ 79, 34.508,
292.614

■ 79, 34.358,
292.455

Harmonies

Complementary

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



75, 36.983, 105.977



53, 40.554, 294.541

Rectangle

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



75, 36.983, 105.977



75, 36.983, 155.977



75, 36.983, 285.977



75, 36.983, 335.977

Sweetspot

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



75, 36.984, 105.980



97, 13.655, 108.530



57, 30.124, 21.645



52, 9.248, 108.397



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, 36.984, 105.980



95, 54.602, 105.215



73, 40.152, 126.725



40, 5.648, 108.707



63, 67.097, 101.973



11, 16.597, 106.910

Inverse Universe

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



53, 40.554, 294.541



62, 61.503, 296.056



56, 42.439, 310.382



36, 5.769, 290.584



18, 92.916, 306.082



1, 17.259, 290.250

Previews

White Background



This preview shows how the CIELCh color 75, 36.983, 105.977 looks on a white background.

Color Contrast Check

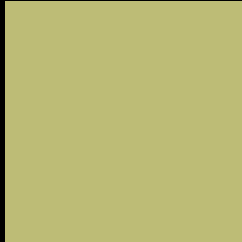
Large Text (above 18pt) WCAG AA × Fail

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, 36.983, 105.977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

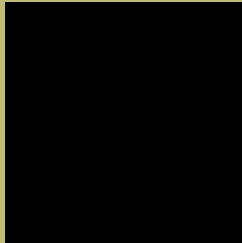
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 36.983, 105.977

Background



This preview shows how black text looks on a background with the CIELCh color 75, 36.983, 105.977.



This preview shows how white text looks on a background with the CIELCh color 75, 36.983, 105.977.

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, 36.983, 105.977

Protanopia
75, 36.727, 96.086

Deuteranopia
75, 35.848, 74.114



Tritanopia
75, 10.357, 333.435

Trichromacy



Original Color
75, 36.983, 105.977

Protanomaly
75, 36.846, 99.428

Deuteranomaly
75, 34.668, 85.507

Tritanomaly
75, 9.984, 78.901

Monochromacy



Original Color
75, 36.983, 105.977

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 13.979, 108.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 36.983, 105.977 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(189, 188, 118)` looks like.

```
.text, #text, p{  
    color:rgb(189, 188, 118)  
}
```

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(189, 188, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 188, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 36.983, 105.977 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(189, 188, 118) }
```

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

```
.border{ border-color:rgb(189, 188, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 188, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 188, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 188, 118);  
box-shadow:4px 4px 4px 4px rgb(189, 188,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 36.983, 105.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 188, 118) }
```

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

```
.background{ background-color: rgb(189,  
188, 118) }
```

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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