

Converting Colors

CIELCh(73, 37.730, 86.714)

Have a look what the booklet for
CIELCh(73, 37.730, 86.714) contains.

CIELCh(73, 37.767, 86.685)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(73, 37.767, 86.685)

Conversions

Conversions Part 1

Format	Color
Hex	CEB06E
RGB	206, 176, 110
RGB Percent	81%, 69%, 43%
CMY	0.1931, 0.3107, 0.5695
CMYK	0.00, 0.15, 0.47, 0.19
HSL	41°, 49%, 62%
HSV	41°, 47%, 81%
XYZ	43.6647, 45.1644, 21.1043
YIQ	177.4460, 39.0660, -14.1660

Conversions

Conversions Part 2

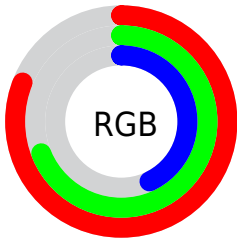
Format	Color
RYB	154, 206, 110
Decimal	13545582
CIELab	73.00, 2.18, 37.70
CIElCh	73, 37.767, 86.685
Yxy	45.1644, 0.3972, 0.4108
Android (android.graphics.Color)	4291735662 (0xFFCEB06E)
YUV	177.4460, -33.2509, 25.0419
Hunter-Lab	67.2044, -1.6311, 28.4242

Details

The CIELCh color **73, 37.767, 86.685** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **58, 38.039, 280.943**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 36.137, 91.971**, and **53, 37.669, 86.701** is the 20% darker color. If you saturate the color by 10%, you get **71, 45.924, 85.272**, and if you desaturate by 10%, it is **75, 29.511, 88.062**.

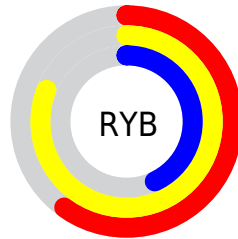
Distribution



Red (81%)

Green (69%)

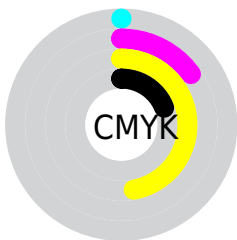
Blue (43%)



Red (60%)

Yellow (81%)

Blue (43%)

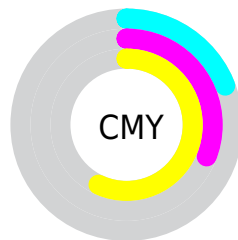


Cyan (0%)

Magenta (15%)

Yellow (47%)

Black (19%)



Cyan (19%)

Magenta (31%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 37.767, 86.685 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 73, 37.767, 86.685 by changing the saturation by 10% instead.

 73, 37.767, 86.685

 73, 37.767, 86.685

 100, 37.767,
86.685

 63, 37.767, 86.685

 93, 37.767, 86.685

 53, 37.767, 86.685

 43, 37.767, 86.685

 33, 37.767, 86.685

 23, 37.767, 86.685

 13, 37.767, 86.685

 3, 37.767, 86.685

 0, 37.767, 86.685

 73, 37.767, 86.685

 73, 37.767, 86.685

71, 45.924, 85.272

75, 29.511, 88.062

69, 53.721, 83.787

77, 21.291, 89.394

67, 60.711, 82.186

79, 13.180, 90.684

66, 66.205, 80.367

81, 5.206, 91.911

64, 69.471, 78.174

83, 2.618, 273.253

64, 70.321, 77.405

86, 10.295,
274.346

88, 17.831,
275.444

90, 15.923,
264.947

91, 14.199,
250.586

Harmonies

Complementary

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



73, 37.767, 86.685



58, 38.039, 280.943

Rectangle

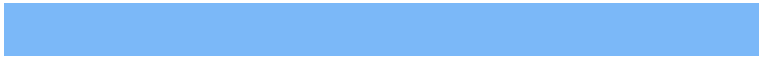
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 37.767, 86.685



73, 37.767, 136.685



73, 37.767, 266.685



73, 37.767, 316.685

Sweetspot

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



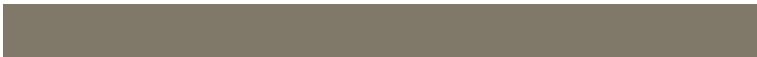
73, 37.768, 86.689



96, 13.163, 90.994



58, 41.212, 0.784



51, 9.107, 90.720



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 37.768, 86.689



86, 54.039, 85.264



80, 49.836, 114.131



42, 4.428, 91.584



52, 59.917, 77.854



10, 15.664, 81.001

Inverse Universe

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



58, 38.039, 280.943



66, 54.960, 283.595



52, 55.952, 301.844



40, 4.437, 274.003



27, 72.582, 297.438



4, 18.546, 282.950

Previews

White Background



This preview shows how the CIELCh color 73, 37.767, 86.685 looks on a white background.

Color Contrast Check

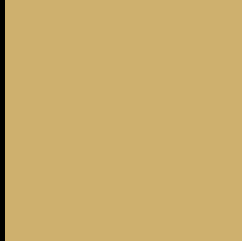
Large Text (above 18pt) WCAG AA × Fail

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 73, 37.767, 86.685 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 73, 37.767, 86.685

Background



This preview shows how black text looks on a background with the CIELCh color 73, 37.767, 86.685.



This preview shows how white text looks on a background with the CIELCh color 73, 37.767, 86.685.

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

73, 37.767, 86.685

Protanopia

73, 37.010, 95.289

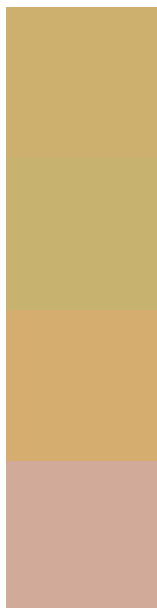
Deuteranopia

73, 38.372, 75.709



Tritanopia
73, 18.893, 359.404

Trichromacy



Original Color
73, 37.767, 86.685

Protanomaly
73, 37.067, 91.922

Deuteranomaly
73, 37.839, 79.708

Tritanomaly
73, 18.424, 48.347

Monochromacy



Original Color
73, 37.767, 86.685

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 13.575, 91.899

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 37.767, 86.685 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(206, 176, 110)` looks like.

```
.text, #text, p{  
    color:rgb(206, 176, 110)  
}
```

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(206, 176, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 176, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 37.767, 86.685 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(206, 176, 110) }
```

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

```
.border{ border-color:rgb(206, 176, 110) }
```

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

Here you see how a box with a 4 pixel rgb(206, 176, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 176, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 176, 110);  
box-shadow:4px 4px 4px 4px rgb(206, 176,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 37.767, 86.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 176, 110) }
```

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

```
.background{ background-color: rgb(206,  
176, 110) }
```

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