

Converting Colors

CIELCh(71, 36.928, 80.371)

Have a look what the booklet for
CIELCh(71, 36.928, 80.371) contains.

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Color

CIELCh(71, 37.143, 80.443)

Conversions

Conversions Part 1

Format	Color
Hex	CEA86B
RGB	206, 168, 107
RGB Percent	81%, 66%, 42%
CMY	0.1922, 0.3412, 0.5804
CMYK	0.00, 0.18, 0.48, 0.19
HSL	37°, 50%, 61%
HSV	37°, 48%, 81%
XYZ	42.1089, 42.1875, 19.8332
YIQ	172.4080, 42.2290, -10.9150

Conversions

Conversions Part 2

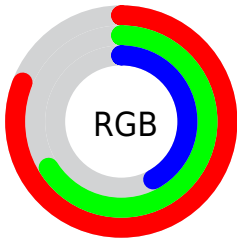
Format	Color
RYB	169, 206, 107
Decimal	13543531
CIELab	71.00, 6.17, 36.63
CIELCh	71, 37.143, 80.443
Yxy	42.1875, 0.4044, 0.4051
Android (android.graphics.Color)	4291733611 (0xFFCEA86B)
YUV	172.4080, -32.2461, 29.4602
Hunter-Lab	64.9519, 2.0572, 27.3620

Details

The CIELCh color **71, 37.143, 80.443** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **60, 35.657, 275.736**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 35.521, 86.170**, and **51, 37.182, 79.961** is the 20% darker color. If you saturate the color by 10%, you get **69, 45.222, 78.986**, and if you desaturate by 10%, it is **73, 29.083, 81.856**.

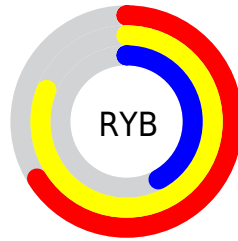
Distribution



Red (81%)

Green (66%)

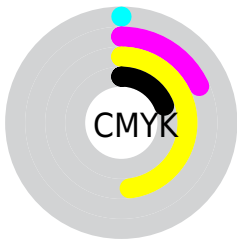
Blue (42%)



Red (66%)

Yellow (81%)

Blue (42%)

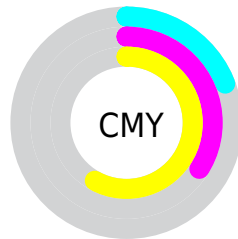


Cyan (0%)

Magenta (18%)

Yellow (48%)

Black (19%)



Cyan (19%)

Magenta (34%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 37.143, 80.443 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 71, 37.143, 80.443 by changing the saturation by 10% instead.

71, 37.143, 80.443

71, 37.143, 80.443

100, 37.143,
80.443

61, 37.143, 80.443

91, 37.143, 80.443

51, 37.143, 80.443

41, 37.143, 80.443

31, 37.143, 80.443

21, 37.143, 80.443

11, 37.143, 80.443

1, 37.143, 80.443

0, 37.143, 80.443

71, 37.143, 80.443

71, 37.143, 80.443

69, 45.222, 78.986

73, 29.083, 81.856

67, 53.077, 77.437

76, 21.161, 83.225

64, 60.260, 75.722

78, 13.429, 84.551

62, 66.044, 73.684

81, 5.904, 85.819

61, 69.729, 71.135

83, 1.415, 267.318

60, 70.377, 70.637

86, 8.540, 268.354

88, 15.485,
269.492

91, 14.680,
256.491

93, 13.495,
236.354

Harmonies

Complementary

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



71, 37.143, 80.443



60, 35.657, 275.736

Rectangle

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



71, 37.143, 80.443



71, 37.143, 130.443



71, 37.143, 260.443



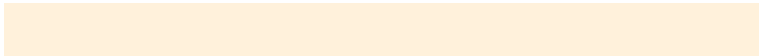
71, 37.143, 310.443

Sweetspot

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



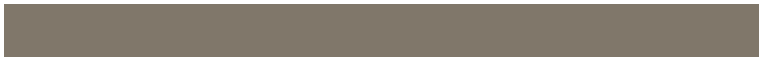
71, 37.143, 80.448



96, 12.311, 85.053



58, 43.715, 355.186



50, 8.526, 84.772



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 37.143, 80.448



83, 53.737, 78.887



80, 50.867, 110.272



42, 4.132, 85.655



49, 59.838, 71.187



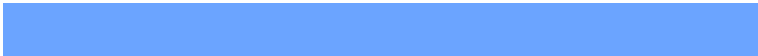
9, 14.860, 72.693

Inverse Universe

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



60, 35.657, 275.736



67, 51.454, 278.761



50, 57.787, 299.707



40, 4.108, 268.164



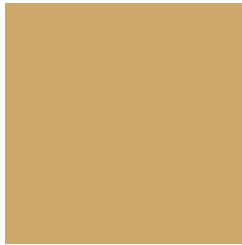
30, 64.578, 293.193



4, 17.312, 279.464

Previews

White Background



This preview shows how the CIELCh color 71, 37.143, 80.443 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 71, 37.143, 80.443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

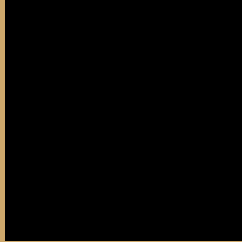
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 37.143, 80.443

Background



This preview shows how black text looks on a background with the CIELCh color 71, 37.143, 80.443.



This preview shows how white text looks on a background with the CIELCh color 71, 37.143, 80.443.

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

71, 37.143, 80.443

Protanopia

71, 35.559, 95.550

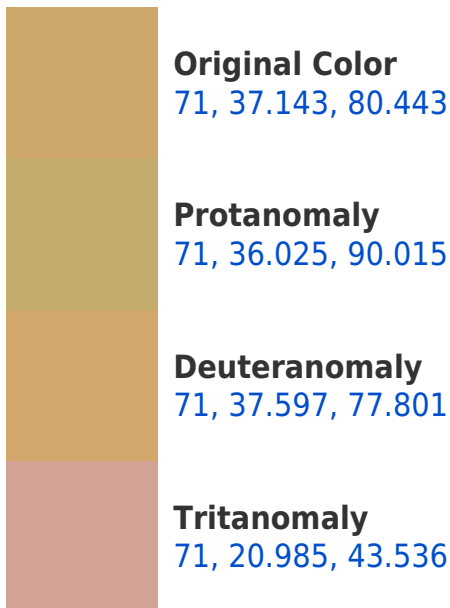
Deuteranopia

71, 37.645, 76.332



Tritanopia
71, 21.108, 3.539

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 37.143, 80.443 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, 168, 107)` looks like.

```
.text, #text, p{  
    color:rgb(206, 168, 107)  
}
```

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, 168, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 168, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 37.143, 80.443 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, 168, 107) }
```

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

```
.border{ border-color:rgb(206, 168, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 168, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 168, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 168, 107);  
box-shadow:4px 4px 4px 4px rgb(206, 168,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 37.143, 80.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 168, 107) }
```

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

```
.background{ background-color: rgb(206,  
168, 107) }
```

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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