

Converting Colors

CIELCh(76, 42.787, 95.809)

Have a look what the booklet for
CIELCh(76, 42.787, 95.809) contains.

CIELCh(76, 42.704, 96.374)	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(76, 42.704, 96.374)

Conversions

Conversions Part 1

Format	Color
Hex	CDBC6C
RGB	205, 188, 108
RGB Percent	80%, 74%, 42%
CMY	0.1971, 0.2637, 0.5773
CMYK	0.00, 0.08, 0.47, 0.20
HSL	49°, 49%, 61%
HSV	49°, 47%, 80%
XYZ	45.7359, 49.8872, 21.3438
YIQ	183.9630, 35.8120, -21.2760

Conversions

Conversions Part 2

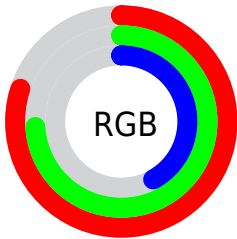
Format	Color
RYB	129, 205, 108
Decimal	13483116
CIELab	76.00, -4.74, 42.44
CIELCh	76, 42.704, 96.374
Yxy	49.8872, 0.3910, 0.4265
Android (android.graphics.Color)	4291673196 (0xFFCDBC6C)
YUV	183.9630, -37.4498, 18.4494
Hunter-Lab	70.6309, -8.0192, 31.5249

Details

The CIELCh color **76, 42.704, 96.374** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **54, 46.078, 289.454**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 42.098, 100.925**, and **56, 42.637, 96.271** is the 20% darker color. If you saturate the color by 10%, you get **75, 51.201, 95.181**, and if you desaturate by 10%, it is **77, 33.838, 97.569**.

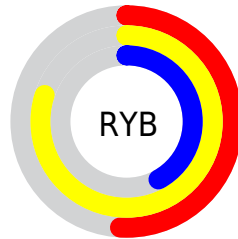
Distribution



Red (80%)

Green (74%)

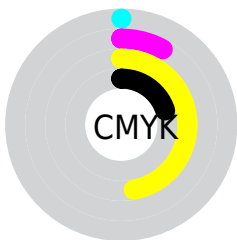
Blue (42%)



Red (51%)

Yellow (80%)

Blue (42%)

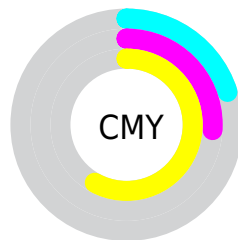


Cyan (0%)

Magenta (8%)

Yellow (47%)

Black (20%)



Cyan (20%)

Magenta (26%)

Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 42.704, 96.374 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 76, 42.704, 96.374 by changing the saturation by 10% instead.

 76, 42.704, 96.374

 76, 42.704, 96.374

 100, 42.704,
96.374

 66, 42.704, 96.374

 96, 42.704, 96.374

 56, 42.704, 96.374

 46, 42.704, 96.374

 36, 42.704, 96.374

 26, 42.704, 96.374

 16, 42.704, 96.374

 6, 42.704, 96.374

 0, 42.704, 96.374

 76, 42.704, 96.374

 76, 42.704, 96.374

75, 51.201, 95.181

77, 33.838, 97.569

74, 58.997, 93.985

79, 24.802, 98.749

73, 65.592, 92.783

80, 15.713, 99.906

72, 70.343, 91.552

81, 6.638, 101.025

71, 72.775, 90.248

83, 2.384, 282.204

70, 73.244, 89.899

84, 11.335,
283.212

86, 20.204,
284.217

87, 20.460,
281.015

88, 18.819,
276.172

Harmonies

Complementary

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



76, 42.704, 96.374



54, 46.078, 289.454

Rectangle

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



76, 42.704, 96.374



76, 42.704, 146.374



76, 42.704, 276.374



76, 42.704, 326.374

Sweetspot

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



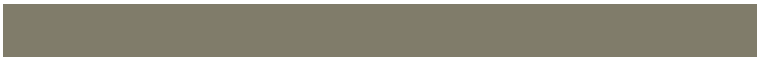
76, 42.705, 96.378



98, 15.128, 100.267



57, 40.841, 10.882



52, 10.450, 100.019



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 42.705, 96.378



91, 60.767, 95.137



78, 51.467, 119.811



42, 5.105, 100.802



58, 62.681, 90.120



12, 18.010, 94.044

Inverse Universe

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



54, 46.078, 289.454



60, 67.513, 291.947



52, 56.914, 305.845



40, 5.172, 282.971



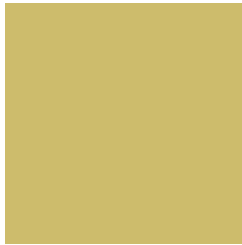
22, 86.405, 303.010



3, 20.692, 287.732

Previews

White Background



This preview shows how the CIELCh color 76, 42.704, 96.374 looks on a white background.

Color Contrast Check

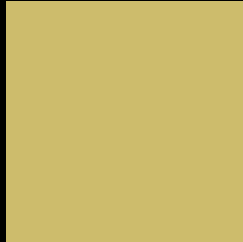
Large Text (above 18pt) WCAG AA × Fail

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 76, 42.704, 96.374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

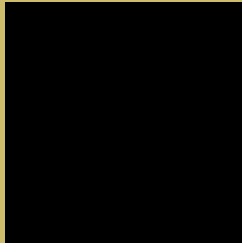
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 42.704, 96.374

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.704, 96.374.



This preview shows how white text looks on a background with the CIELCh color 76, 42.704, 96.374.

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

76, 42.704, 96.374

Protanopia

76, 42.416, 95.152

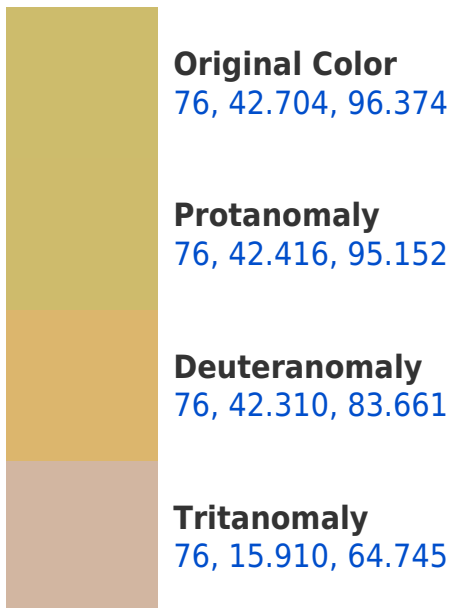
Deuteranopia

76, 42.880, 77.017



Tritanopia
76, 15.108, 350.941

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 42.704, 96.374 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(205, 188, 108)` looks like.

```
.text, #text, p{  
    color:rgb(205, 188, 108)  
}
```

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(205, 188, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 188, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.704, 96.374 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(205, 188, 108) }
```

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

```
.border{ border-color:rgb(205, 188, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 188, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 188, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 188, 108);  
box-shadow:4px 4px 4px 4px rgb(205, 188,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.704, 96.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 188, 108) }
```

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

```
.background{ background-color: rgb(205,  
188, 108) }
```

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