

Converting Colors

CIELCh(75, 22.547, 83.574)

Have a look what the booklet for
CIELCh(75, 22.547, 83.574) contains.

CIELCh(75, 22.523, 83.593)	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(75, 22.523, 83.593)

Conversions

Conversions Part 1

Format	Color
Hex	CDB690
RGB	205, 182, 144
RGB Percent	80%, 71%, 56%
CMY	0.1973, 0.2874, 0.4364
CMYK	0.00, 0.11, 0.30, 0.20
HSL	37°, 38%, 68%
HSV	37°, 30%, 80%
XYZ	46.7746, 48.2781, 33.1264
YIQ	184.5450, 25.9060, -6.9420

Conversions

Conversions Part 2

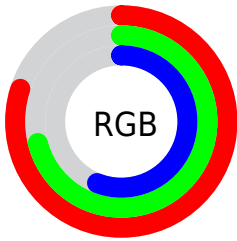
Format	Color
RYB	181, 205, 144
Decimal	13481616
CIELab	75.00, 2.51, 22.38
CIELCh	75, 22.523, 83.593
Yxy	48.2781, 0.3649, 0.3766
Android (android.graphics.Color)	4291671696 (0xFFCDB690)
YUV	184.5450, -19.9887, 17.9390
Hunter-Lab	69.4824, -1.4305, 20.3706

Details

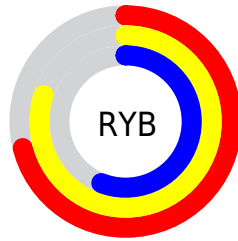
The CIELCh color **75, 22.523, 83.593** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **68, 21.995, 272.156**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 21.467, 91.006**, and **55, 22.648, 83.339** is the 20% darker color. If you saturate the color by 10%, you get **73, 30.458, 82.225**, and if you desaturate by 10%, it is **77, 14.764, 84.933**.

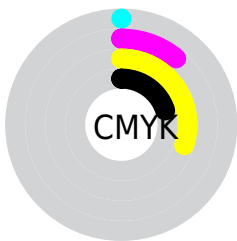
Distribution



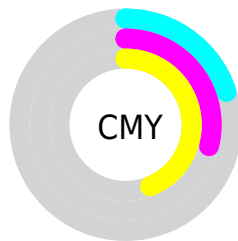
- Red (80%)
- Green (71%)
- Blue (56%)



- Red (71%)
- Yellow (80%)
- Blue (56%)



- Cyan (0%)
- Magenta (11%)
- Yellow (30%)
- Black (20%)



- Cyan (20%)
- Magenta (29%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 22.523, 83.593 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, 22.523, 83.593 by changing the saturation by 10% instead.

 75, 22.523, 83.593

 75, 22.523, 83.593

 100, 22.523,
83.593

 65, 22.523, 83.593

 95, 22.523, 83.593

 55, 22.523, 83.593

 45, 22.523, 83.593

 35, 22.523, 83.593

 25, 22.523, 83.593

 15, 22.523, 83.593

 5, 22.523, 83.593

 0, 22.523, 83.593

 75, 22.523, 83.593

 75, 22.523, 83.593

73, 30.458, 82.225

77, 14.764, 84.933

70, 38.504, 80.809

80, 7.201, 86.212

68, 46.523, 79.336

82, 0.162, 269.219

66, 54.241, 77.767

85, 7.334, 268.754

64, 61.167, 76.015

87, 14.328,
269.894

62, 66.534, 73.913

90, 15.803,
262.195

60, 69.924, 71.349

92, 14.085,
244.257

60, 69.995, 71.296

94, 13.967,
224.065

96, 15.447,
205.866

Harmonies

Complementary

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



75, 22.523, 83.593



68, 21.995, 272.156

Rectangle

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



75, 22.523, 83.593



75, 22.523, 133.593



75, 22.523, 263.593



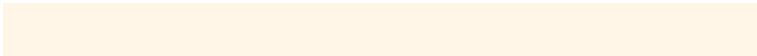
75, 22.523, 313.593

Sweetspot

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



75, 22.524, 83.600



97, 7.905, 86.296



66, 26.692, 353.560



52, 5.505, 86.113



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 22.524, 83.600



90, 32.808, 82.687



80, 32.047, 112.405



42, 4.159, 86.261



49, 59.805, 71.824



10, 14.922, 73.529

Inverse Universe

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



68, 21.995, 272.156



79, 31.871, 273.536



62, 34.379, 297.671



40, 4.138, 268.764



30, 65.350, 293.647



4, 17.435, 279.843

Previews

White Background



This preview shows how the CIELCh color 75, 22.523, 83.593 looks on a white background.

Color Contrast Check

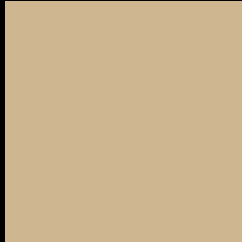
Large Text (above 18pt) WCAG AA × Fail

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, 22.523, 83.593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

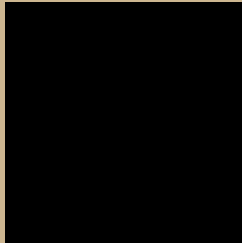
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 22.523, 83.593

Background



This preview shows how black text looks on a background with the CIELCh color 75, 22.523, 83.593.



This preview shows how white text looks on a background with the CIELCh color 75, 22.523, 83.593.

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, 22.523, 83.593

Protanopia

75, 21.569, 94.044

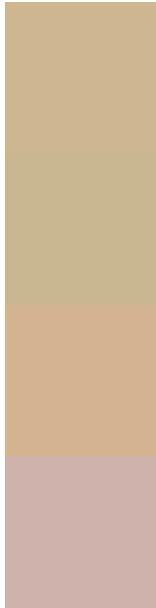
Deuteranopia

75, 23.731, 66.119



Tritanopia
75, 14.564, 352.031

Trichromacy



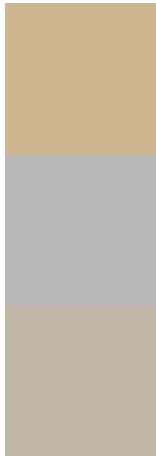
Original Color
75, 22.523, 83.593

Protanomaly
75, 21.553, 89.546

Deuteranomaly
75, 22.894, 72.260

Tritanomaly
75, 11.952, 33.229

Monochromacy



Original Color
75, 22.523, 83.593

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 8.283, 84.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 22.523, 83.593 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, 182, 144)` looks like.

```
.text, #text, p{  
    color:rgb(205, 182, 144)  
}
```

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, 182, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 182, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 22.523, 83.593 is called "border". The border property can be set on classes, ids or directly on the HTML element.

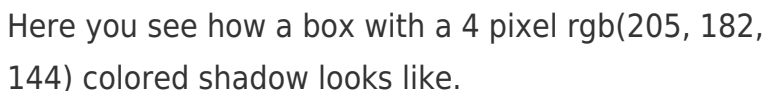
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 182, 144) }
```

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

```
.border{ border-color:rgb(205, 182, 144) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 182, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 182, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 182, 144);  
box-shadow:4px 4px 4px 4px rgb(205, 182,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 22.523, 83.593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 182, 144) }
```

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

```
.background{ background-color: rgb(205,  
182, 144) }
```

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