

Converting Colors

CIELCh(83, 20.717, 73.101)

Have a look what the booklet for
CIELCh(83, 20.717, 73.101) contains.

CIELCh(83, 20.699, 73.755)	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(83, 20.699, 73.755)

Conversions

Conversions Part 1

Format	Color
Hex	E8CAAA
RGB	232, 202, 170
RGB Percent	91%, 79%, 67%
CMY	0.0910, 0.2086, 0.3341
CMYK	0.00, 0.13, 0.27, 0.09
HSL	31°, 57%, 79%
HSV	31°, 27%, 91%
XYZ	61.5220, 62.1629, 46.6898
YIQ	207.3220, 28.1520, -3.5920

Conversions

Conversions Part 2

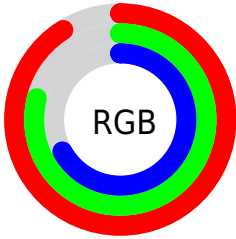
Format	Color
R_{YB}	228, 232, 170
Decimal	15256234
CIE Lab	83.00, 5.79, 19.87
CIE LCh	83, 20.699, 73.755
Yxy	62.1629, 0.3611, 0.3649
Android (android.graphics.Color)	4293446314 (0xFFE8CAAA)
YUV	207.3220, -18.3997, 21.6426
Hunter-Lab	78.8435, 1.3085, 20.0799

Details

The CIELCh color $83, 20.699, 73.755$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $79, 19.379, 261.296$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 15.178, 109.030$, and $63, 20.662, 73.140$ is the 20% darker color. If you saturate the color by 10%, you get $80, 29.084, 72.468$, and if you desaturate by 10%, it is $86, 12.671, 75.034$.

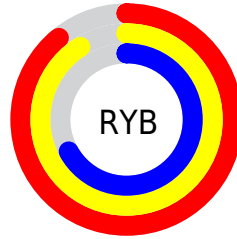
Distribution



Red (91%)

Green (79%)

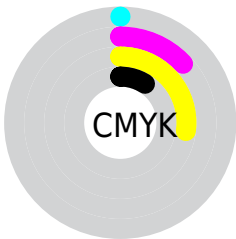
Blue (67%)



Red (89%)

Yellow (91%)

Blue (67%)

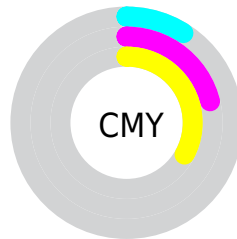


Cyan (0%)

Magenta (13%)

Yellow (27%)

Black (9%)



Cyan (9%)

Magenta (21%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 20.699, 73.755 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 83, 20.699, 73.755 by changing the saturation by 10% instead.

 83, 20.699, 73.755

 83, 20.699, 73.755

 100, 20.699,
73.755

 73, 20.699, 73.755

 63, 20.699, 73.755

 53, 20.699, 73.755

 43, 20.699, 73.755

 33, 20.699, 73.755

 23, 20.699, 73.755

 13, 20.699, 73.755

 3, 20.699, 73.755

 0, 20.699, 73.755

83, 20.699, 73.755

83, 20.699, 73.755

80, 29.084, 72.468

86, 12.671, 75.034

77, 37.806, 71.155

90, 4.989, 76.245

74, 46.789, 69.812

93, 2.374, 257.722

71, 55.839, 68.401

96, 6.566, 239.913

68, 64.546, 66.828

98, 7.924, 198.988

65, 72.137, 64.891

63, 77.534, 62.263

62, 79.015, 61.355

Harmonies

Complementary

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



83, 20.699, 73.755



79, 19.379, 261.296

Rectangle

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



83, 20.699, 73.755



83, 20.699, 123.755



83, 20.699, 253.755



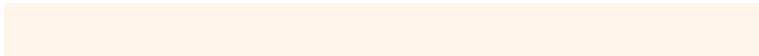
83, 20.699, 303.755

Sweetspot

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



83, 20.699, 73.763



97, 6.415, 76.096



76, 28.227, 346.102



51, 4.575, 75.917



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

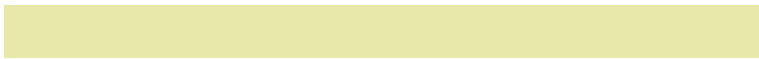
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 20.699, 73.763



89, 27.090, 73.063



91, 31.739, 107.580



46, 4.195, 75.930



49, 64.781, 62.046



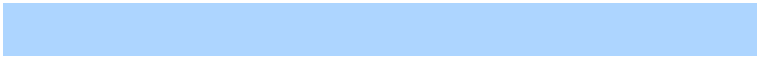
12, 20.937, 62.400

Inverse Universe

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



79, 19.379, 261.296



84, 24.983, 262.383



72, 33.843, 293.399



46, 4.113, 258.462



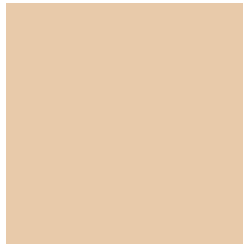
38, 56.932, 285.504



8, 20.342, 276.986

Previews

White Background



This preview shows how the CIELCh color 83, 20.699, 73.755 looks on a white background.

Color Contrast Check

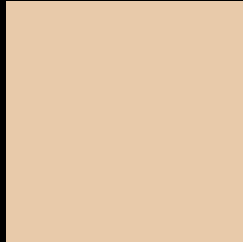
Large Text (above 18pt) WCAG AA × Fail

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 83, 20.699, 73.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

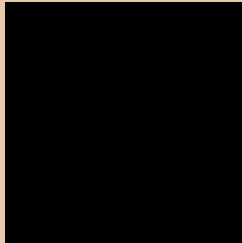
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 20.699, 73.755

Background



This preview shows how black text looks on a background with the CIELCh color 83, 20.699, 73.755.



This preview shows how white text looks on a background with the CIELCh color 83, 20.699, 73.755.

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

83, 20.699, 73.755

Protanopia

83, 18.475, 93.927

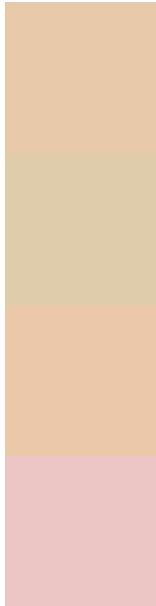
Deuteranopia

83, 22.206, 63.217



Tritanopia
83, 17.046, 353.231

Trichromacy



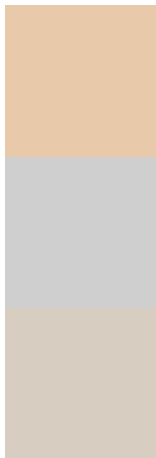
Original Color
83, 20.699, 73.755

Protanomaly
83, 18.926, 85.456

Deuteranomaly
83, 21.432, 67.076

Tritanomaly
83, 14.053, 24.716

Monochromacy



Original Color
83, 20.699, 73.755

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 7.536, 76.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 20.699, 73.755 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(232, 202, 170)` looks like.

```
.text, #text, p{  
    color:rgb(232, 202, 170)  
}
```

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(232, 202, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 202, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 20.699, 73.755 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(232, 202, 170) }
```

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

```
.border{ border-color:rgb(232, 202, 170) }
```

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

Here you see how a box with a 4 pixel rgb(232, 202, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 202, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 202, 170);  
box-shadow:4px 4px 4px 4px rgb(232, 202,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 20.699, 73.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 202, 170) }
```

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

```
.background{ background-color: rgb(232,  
202, 170) }
```

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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