

Converting Colors

CIELCh(83, 22.946, 102.514)

Have a look what the booklet for
CIELCh(83, 22.946, 102.514)
contains.

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Color

CIELCh(83, 22.657, 102.217)

Conversions

Conversions Part 1

Format	Color
Hex	D6D0A5
RGB	214, 208, 165
RGB Percent	84%, 82%, 65%
CMY	0.1606, 0.1841, 0.3527
CMYK	0.00, 0.03, 0.23, 0.16
HSL	53°, 37%, 74%
HSV	53°, 23%, 84%
XYZ	57.1148, 62.1629, 44.6119
YIQ	204.8920, 17.3790, -12.1010

Conversions

Conversions Part 2

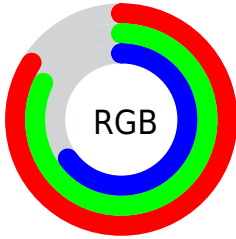
Format	Color
RYB	172, 214, 165
Decimal	14078117
CIELab	83.00, -4.79, 22.14
CIELCh	83, 22.657, 102.217
Yxy	62.1629, 0.3485, 0.3793
Android (android.graphics.Color)	4292268197 (0xFFD6D0A5)
YUV	204.8920, -19.6668, 7.9877
Hunter-Lab	78.8435, -8.6695, 21.6424

Details

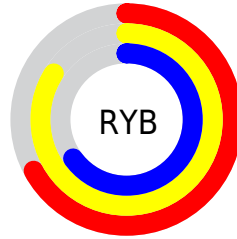
The CIELCh color $83, 22.657, 102.217$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $71, 23.546, 287.579$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 17.699, 108.839$, and $63, 22.760, 102.346$ is the 20% darker color. If you saturate the color by 10%, you get $82, 32.490, 101.115$, and if you desaturate by 10%, it is $84, 12.757, 103.312$.

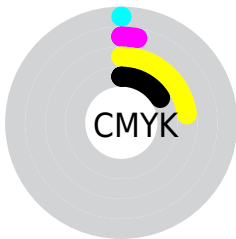
Distribution



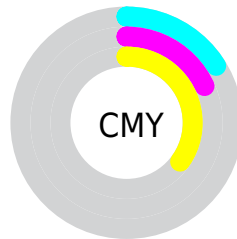
- Red (84%)
- Green (82%)
- Blue (65%)



- Red (67%)
- Yellow (84%)
- Blue (65%)



- Cyan (0%)
- Magenta (3%)
- Yellow (23%)
- Black (16%)





- Cyan (16%)
- Magenta (18%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 22.657, 102.217 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, 22.657, 102.217 by changing the saturation by 10% instead.


 83, 22.657,
102.217


 83, 22.657,
102.217


 100, 22.657,
102.217


 73, 22.657,
102.217

 63, 22.657,
102.217

 53, 22.657,
102.217

 43, 22.657,
102.217

 33, 22.657,
102.217

 23, 22.657,
102.217

 13, 22.657,

102.217

■ 3, 22.657, 102.217

■ 0, 22.657, 102.217

■ 83, 22.657,
102.217

■ 83, 22.657,
102.217

■ 82, 32.490,
101.115

■ 84, 12.757,
103.312

■ 81, 42.139,
100.004

■ 85, 2.850, 104.349

■ 80, 51.421, 98.903

■ 87, 7.023, 285.447

■ 79, 60.039, 97.829

■ 88, 16.840,
286.435

■ 78, 67.537, 96.795

■ 89, 17.761,
283.967

■ 77, 73.314, 95.807

■ 89, 16.504,
280.178

■ 77, 76.776, 94.857

■ 90, 15.331,
275.806

■ 76, 77.987, 94.190

■ 91, 14.260,
270.766

■ 91, 13.315,
264.983

Harmonies

Complementary

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



83, 22.657, 102.217



71, 23.546, 287.579

Rectangle

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



83, 22.657, 102.217



83, 22.657, 152.217



83, 22.657, 282.217



83, 22.657, 332.217

Sweetspot

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



83, 22.659, 102.222



99, 7.973, 103.931



72, 19.354, 10.723



53, 5.182, 103.867



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, 22.659, 102.222



96, 30.785, 101.739



83, 26.541, 123.081



45, 5.615, 103.683



62, 66.001, 94.338



15, 22.063, 97.184

Inverse Universe

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



71, 23.546, 287.579



80, 32.262, 288.259



71, 27.641, 305.601



42, 5.708, 285.768



22, 92.703, 304.412



3, 25.244, 291.154

Previews

White Background



This preview shows how the CIELCh color 83, 22.657, 102.217 looks on a white background.

Color Contrast Check

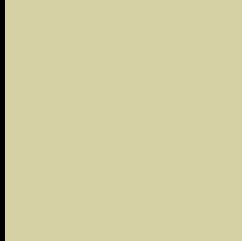
Large Text (above 18pt) WCAG AA × Fail

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, 22.657, 102.217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

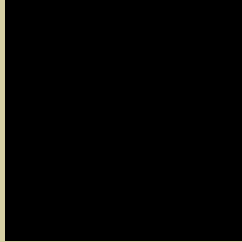
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

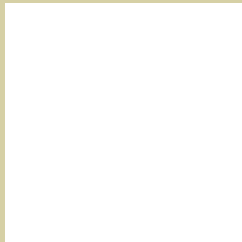
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 22.657, 102.217

Background



This preview shows how black text looks on a background with the CIELCh color 83, 22.657, 102.217.



This preview shows how white text looks on a background with the CIELCh color 83, 22.657, 102.217.

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, 22.657, 102.217

Protanopia

83, 22.744, 94.140

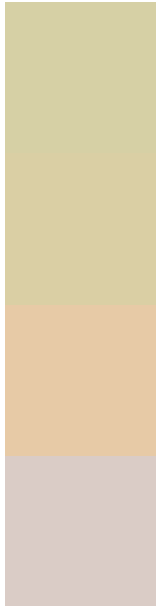
Deuteranopia

83, 23.685, 65.034



Tritanopia
83, 11.168, 331.062

Trichromacy



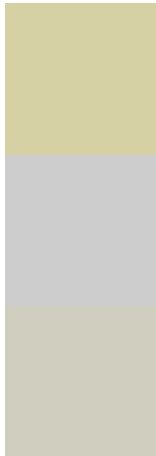
Original Color
83, 22.657, 102.217

Protanomaly
83, 22.970, 97.289

Deuteranomaly
83, 22.281, 77.355

Tritanomaly
83, 6.088, 50.873

Monochromacy



Original Color
83, 22.657, 102.217

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 8.457, 104.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 22.657, 102.217 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(214, 208, 165)` looks like.

```
.text, #text, p{  
    color:rgb(214, 208, 165)  
}
```

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(214, 208, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 208, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 22.657, 102.217 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(214, 208, 165) }
```

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

```
.border{ border-color:rgb(214, 208, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 208, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 208, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 208, 165);  
box-shadow:4px 4px 4px 4px rgb(214, 208,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 22.657, 102.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 208, 165) }
```

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

```
.background{ background-color: rgb(214,  
208, 165) }
```

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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