

Converting Colors

CIE LCh(83, 22.560, 80.206)

Have a look what the booklet for
CIELCh(83, 22.560, 80.206) contains.

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Color

CIELCh(83, 22.776, 80.285)

Conversions

Conversions Part 1

Format	Color
Hex	E6CBA5
RGB	230, 203, 165
RGB Percent	90%, 80%, 65%
CMY	0.0986, 0.2044, 0.3534
CMYK	0.00, 0.12, 0.28, 0.10
HSL	35°, 56%, 77%
HSV	35°, 28%, 90%
XYZ	60.6949, 62.1629, 44.3373
YIQ	206.7410, 28.2900, -6.0940

Conversions

Conversions Part 2

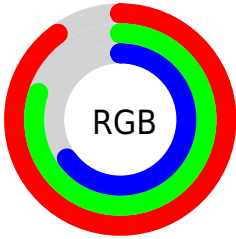
Format	Color
R _Y B	211, 230, 165
Decimal	15125413
CIE Lab	83.00, 3.84, 22.45
CIE LCh	83, 22.776, 80.285
Yxy	62.1629, 0.3630, 0.3718
Android (android.graphics.Color)	4293315493 (0xFFE6CBA5)
YUV	206.7410, -20.5783, 20.3981
Hunter-Lab	78.8435, -0.5641, 21.8490

Details

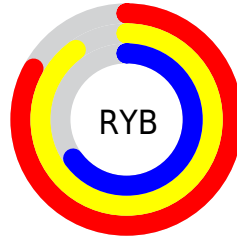
The CIELCh color $83, 22.776, 80.285$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $77, 21.915, 268.467$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 17.699, 108.839$, and $63, 22.829, 79.960$ is the 20% darker color. If you saturate the color by 10%, you get $80, 31.329, 78.921$, and if you desaturate by 10%, it is $86, 14.478, 81.625$.

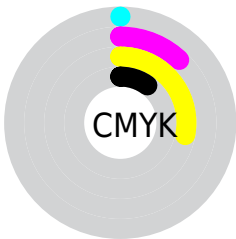
Distribution



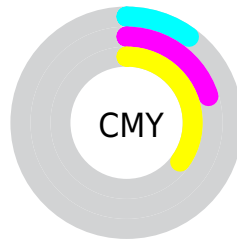
- Red (90%)
- Green (80%)
- Blue (65%)



- Red (83%)
- Yellow (90%)
- Blue (65%)



- Cyan (0%)
- Magenta (12%)
- Yellow (28%)
- Black (10%)



- Cyan (10%)
- Magenta (20%)
- Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 22.776, 80.285 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, 22.776, 80.285 by changing the saturation by 10% instead.

 83, 22.776, 80.285

 83, 22.776, 80.285

 100, 22.776,
80.285

 73, 22.776, 80.285

 63, 22.776, 80.285

 53, 22.776, 80.285

 43, 22.776, 80.285

 33, 22.776, 80.285

 23, 22.776, 80.285

 13, 22.776, 80.285

 3, 22.776, 80.285

 0, 22.776, 80.285

83, 22.776, 80.285

83, 22.776, 80.285

80, 31.329, 78.921

86, 14.478, 81.625

77, 40.086, 77.511

89, 6.443, 82.902

75, 48.926, 76.050

92, 1.335, 264.468

72, 57.591, 74.497

95, 8.047, 262.473

70, 65.584, 72.758

97, 7.370, 216.853

68, 72.078, 70.648

98, 8.566, 198.941

65, 76.224, 67.933

65, 76.856, 67.456

Harmonies

Complementary

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



83, 22.776, 80.285



77, 21.915, 268.467

Rectangle

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



83, 22.776, 80.285



83, 22.776, 130.285



83, 22.776, 260.285



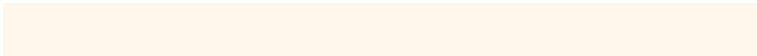
83, 22.776, 310.285

Sweetspot

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



83, 22.777, 80.292



97, 6.776, 82.929



74, 28.283, 351.257



52, 4.828, 82.743



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, 22.777, 80.292



89, 30.083, 79.484



89, 33.377, 111.070



47, 4.427, 82.756



51, 63.519, 68.081



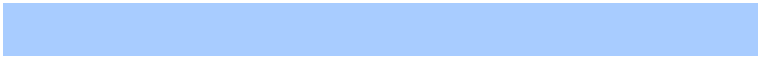
13, 21.238, 69.929

Inverse Universe

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



77, 21.915, 268.467



81, 28.693, 269.685



70, 35.711, 296.396



45, 4.383, 265.317



34, 64.872, 291.209



7, 22.780, 283.041

Previews

White Background



This preview shows how the CIELCh color 83, 22.776, 80.285 looks on a white background.

Color Contrast Check

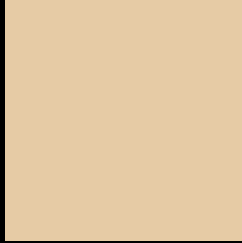
Large Text (above 18pt) WCAG AA × Fail

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, 22.776, 80.285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

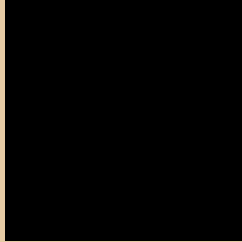
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 22.776, 80.285

Background



This preview shows how black text looks on a background with the CIELCh color 83, 22.776, 80.285.

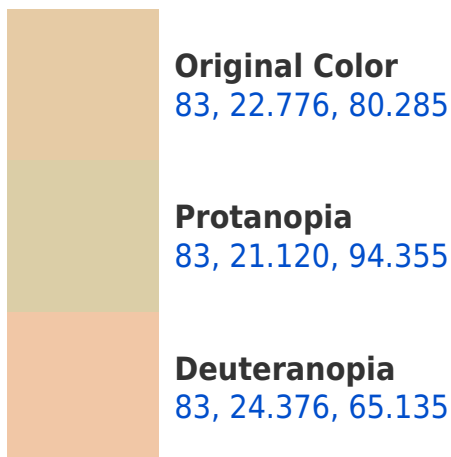



This preview shows how white text looks on a background with the CIELCh color 83, 22.776, 80.285.

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](#).

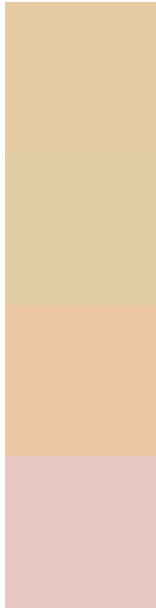
Dichromacy





Tritanopia
83, 16.630, 350.330

Trichromacy



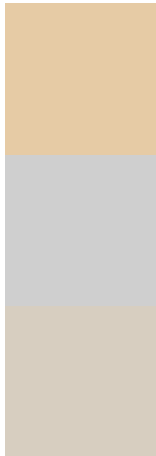
Original Color
83, 22.776, 80.285

Protanomaly
83, 21.721, 89.251

Deuteranomaly
83, 23.374, 69.452

Tritanomaly
83, 13.063, 29.561

Monochromacy



Original Color
83, 22.776, 80.285

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 8.094, 84.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 22.776, 80.285 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(230, 203, 165)` looks like.

```
.text, #text, p{  
    color:rgb(230, 203, 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(230, 203, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 203, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 22.776, 80.285 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(230, 203, 165) }
```

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

```
.border{ border-color:rgb(230, 203, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 203, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 203, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 203, 165);  
box-shadow:4px 4px 4px 4px rgb(230, 203,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 22.776, 80.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 203, 165) }
```

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

```
.background{ background-color: rgb(230,  
203, 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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