

Converting Colors

CIELCh(83, 20.321, 98.996)

Have a look what the booklet for
CIELCh(83, 20.321, 98.996) contains.

CIELCh(83, 20.255, 98.408)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(83, 20.255, 98.408)

Conversions

Conversions Part 1

Format	Color
Hex	D8CFA9
RGB	216, 207, 169
RGB Percent	85%, 81%, 66%
CMY	0.1525, 0.1878, 0.3368
CMYK	0.00, 0.04, 0.22, 0.15
HSL	49°, 38%, 76%
HSV	49°, 22%, 85%
XYZ	57.8623, 62.1629, 46.5369
YIQ	205.3590, 17.5620, -9.9100

Conversions

Conversions Part 2

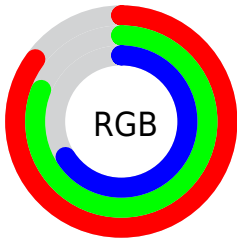
Format	Color
RYB	180, 216, 169
Decimal	14208937
CIELab	83.00, -2.96, 20.04
CIELCh	83, 20.255, 98.408
Yxy	62.1629, 0.3474, 0.3732
Android (android.graphics.Color)	4292399017 (0xFFD8CFA9)
YUV	205.3590, -17.9250, 9.3322
Hunter-Lab	78.8435, -6.9770, 20.1948

Details

The CIELCh color **83, 20.255, 98.408** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 20.783, 283.776**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 15.682, 108.992**, and **63, 20.236, 98.405** is the 20% darker color. If you saturate the color by 10%, you get **82, 29.611, 97.222**, and if you desaturate by 10%, it is **85, 10.907, 99.574**.

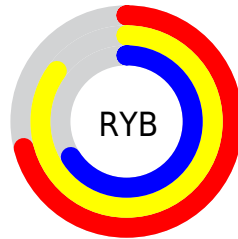
Distribution



Red (85%)

Green (81%)

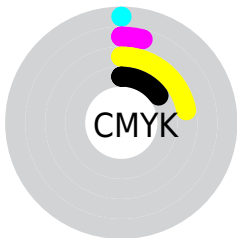
Blue (66%)



Red (71%)

Yellow (85%)

Blue (66%)

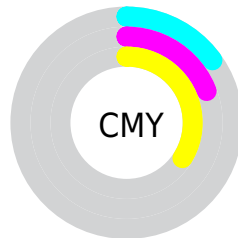


Cyan (0%)

Magenta (4%)

Yellow (22%)

Black (15%)



Cyan (15%)

Magenta (19%)

Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 20.255, 98.408 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, 20.255, 98.408 by changing the saturation by 10% instead.

 83, 20.255, 98.408

 83, 20.255, 98.408

 100, 20.255,
98.408

 73, 20.255, 98.408

 63, 20.255, 98.408

 53, 20.255, 98.408

 43, 20.255, 98.408

 33, 20.255, 98.408

 23, 20.255, 98.408

 13, 20.255, 98.408

 3, 20.255, 98.408

 0, 20.255, 98.408

83, 20.255, 98.408

83, 20.255, 98.408

82, 29.611, 97.222

85, 10.907, 99.574

80, 38.884, 96.008

86, 1.610, 100.620

79, 47.923, 94.781

88, 7.610, 281.833

77, 56.470, 93.544

89, 16.457,
282.687

76, 64.103, 92.294

90, 14.566,
275.750

75, 70.212, 91.012

91, 12.946,
266.977

74, 74.097, 89.651

73, 75.646, 88.445

93, 11.703,
256.099

94, 10.961,
243.290

95, 10.815,

Harmonies

Complementary

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



83, 20.255, 98.408



73, 20.783, 283.776

Rectangle

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



83, 20.255, 98.408



83, 20.255, 148.408



83, 20.255, 278.408



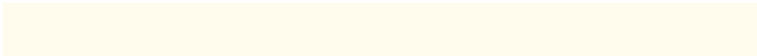
83, 20.255, 328.408

Sweetspot

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



83, 20.256, 98.414



99, 7.414, 100.099



74, 18.730, 5.482



53, 4.819, 100.032



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, 20.256, 98.414



95, 27.718, 97.882



84, 25.116, 120.544



44, 5.225, 99.838



59, 63.580, 88.710



14, 20.567, 92.006

Inverse Universe

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



73, 20.783, 283.776



82, 28.610, 284.495



72, 26.201, 303.205



42, 5.288, 282.051



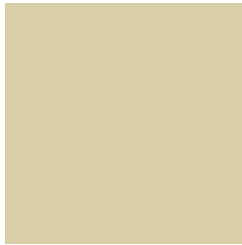
24, 87.066, 302.568



3, 23.960, 289.280

Previews

White Background



This preview shows how the CIELCh color 83, 20.255, 98.408 looks on a white background.

Color Contrast Check

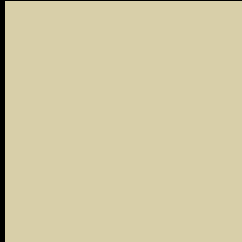
Large Text (above 18pt) WCAG AA × Fail

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, 20.255, 98.408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

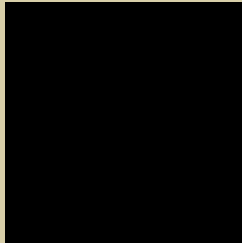
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

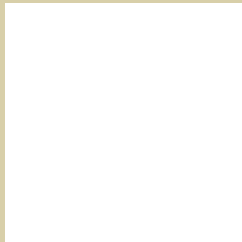
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 20.255, 98.408

Background



This preview shows how black text looks on a background with the CIELCh color 83, 20.255, 98.408.



This preview shows how white text looks on a background with the CIELCh color 83, 20.255, 98.408.

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, 20.255, 98.408

Protanopia

83, 20.102, 93.771

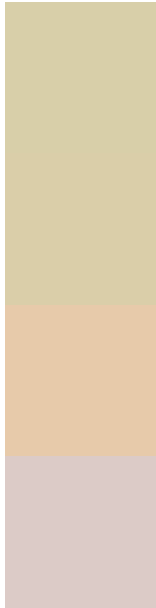
Deuteranopia

83, 21.819, 62.315



Tritanopia
83, 11.025, 334.321

Trichromacy



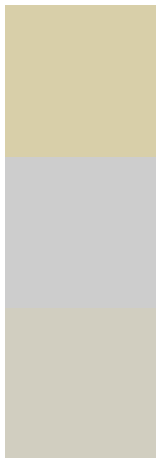
Original Color
83, 20.255, 98.408

Protanomaly
83, 20.004, 94.864

Deuteranomaly
83, 20.465, 74.663

Tritanomaly
83, 6.668, 38.156

Monochromacy



Original Color
83, 20.255, 98.408

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 7.451, 100.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 20.255, 98.408 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(216, 207, 169)` looks like.

```
.text, #text, p{  
    color:rgb(216, 207, 169)  
}
```

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(216, 207, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 207, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 20.255, 98.408 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(216, 207, 169) }
```

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

```
.border{ border-color:rgb(216, 207, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 207, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 207, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 207, 169);  
box-shadow:4px 4px 4px 4px rgb(216, 207,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 20.255, 98.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 207, 169) }
```

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

```
.background{ background-color: rgb(216,  
207, 169) }
```

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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