

Converting Colors

CIELCh(85, 23.189, 99.460)

Have a look what the booklet for
CIELCh(85, 23.189, 99.460) contains.

CIELCh(85, 23.225, 99.455)	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(85, 23.225, 99.455)

Conversions

Conversions Part 1

Format	Color
Hex	DED5A9
RGB	222, 213, 169
RGB Percent	87%, 84%, 66%
CMY	0.1293, 0.1645, 0.3371
CMYK	0.00, 0.04, 0.24, 0.13
HSL	50°, 45%, 77%
HSV	50°, 24%, 87%
XYZ	61.1027, 66.0070, 47.0729
YIQ	210.6750, 19.4880, -11.7760

Conversions

Conversions Part 2

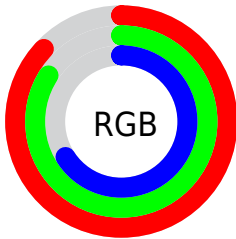
Format	Color
RYB	180, 222, 169
Decimal	14603689
CIELab	85.00, -3.82, 22.91
CIELCh	85, 23.225, 99.455
Yxy	66.0070, 0.3508, 0.3790
Android (android.graphics.Color)	4292793769 (0xFFDED5A9)
YUV	210.6750, -20.5458, 9.9320
Hunter-Lab	81.2447, -7.9316, 22.5189

Details

The CIELCh color **85, 23.225, 99.455** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 23.993, 285.312**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 15.682, 108.992**, and **65, 22.816, 99.250** is the 20% darker color. If you saturate the color by 10%, you get **84, 32.950, 98.289**, and if you desaturate by 10%, it is **86, 13.469, 100.607**.

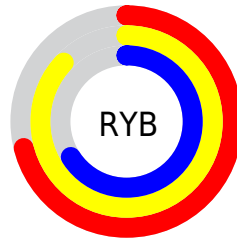
Distribution



Red (87%)

Green (84%)

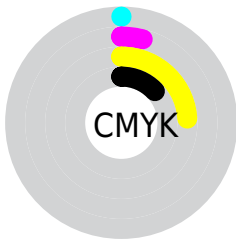
Blue (66%)



Red (71%)

Yellow (87%)

Blue (66%)

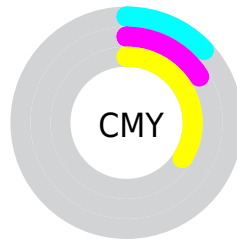


Cyan (0%)

Magenta (4%)

Yellow (24%)

Black (13%)



Cyan (13%)

Magenta (16%)

Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 23.225, 99.455 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 85, 23.225, 99.455 by changing the saturation by 10% instead.

 85, 23.225, 99.455

 85, 23.225, 99.455

 100, 23.225,
99.455

 75, 23.225, 99.455

 65, 23.225, 99.455

 55, 23.225, 99.455

 45, 23.225, 99.455

 35, 23.225, 99.455

 25, 23.225, 99.455

 15, 23.225, 99.455

 5, 23.225, 99.455

 0, 23.225, 99.455

85, 23.225, 99.455

85, 23.225, 99.455

84, 32.950, 98.289

86, 13.469,
100.607

82, 42.534, 97.102

88, 3.740, 101.698

81, 51.794, 95.910

89, 5.928, 282.848

80, 60.422, 94.721

91, 14.056,
282.923

79, 67.940, 93.534

78, 73.690, 92.335

92, 12.345,
275.535

77, 77.012, 91.084

93, 10.897,
266.043

76, 78.019, 90.284

94, 9.828, 254.151

95, 9.261, 240.186

96, 9.284, 225.444

Harmonies

Complementary

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



85, 23.225, 99.455



73, 23.993, 285.312

Rectangle

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



85, 23.225, 99.455



85, 23.225, 149.455



85, 23.225, 279.455



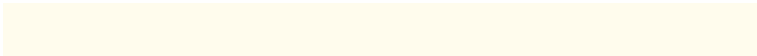
85, 23.225, 329.455

Sweetspot

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



85, 23.227, 99.461



99, 7.586, 101.364



74, 21.036, 7.018



53, 4.930, 101.298



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 23.227, 99.461



95, 31.578, 98.835



86, 28.235, 121.077



46, 5.553, 101.101



61, 65.664, 90.505



16, 23.770, 93.180

Inverse Universe

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



73, 23.993, 285.312



79, 32.902, 286.193



72, 29.559, 303.944



44, 5.629, 283.285



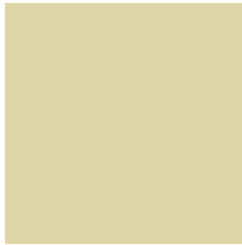
24, 91.117, 303.275



4, 27.942, 292.047

Previews

White Background



This preview shows how the CIELCh color 85, 23.225, 99.455 looks on a white background.

Color Contrast Check

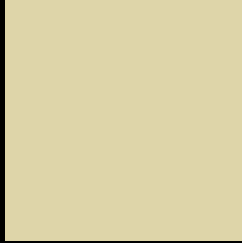
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 85, 23.225, 99.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

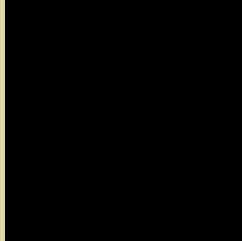
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

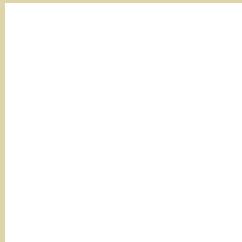
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 23.225, 99.455

Background



This preview shows how black text looks on a background with the CIELCh color 85, 23.225, 99.455.



This preview shows how white text looks on a background with the CIELCh color 85, 23.225, 99.455.

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

85, 23.225, 99.455

Protanopia

85, 23.634, 94.701

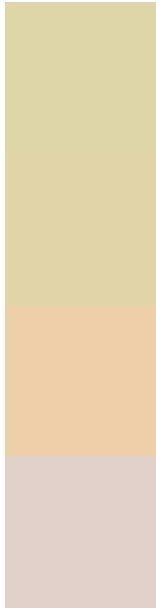
Deuteranopia

85, 24.528, 64.538



Tritanopia
85, 11.852, 335.123

Trichromacy



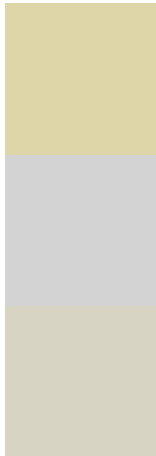
Original Color
85, 23.225, 99.455

Protanomaly
85, 23.543, 95.639

Deuteranomaly
85, 23.058, 76.333

Tritanomaly
85, 7.049, 46.177

Monochromacy



Original Color
85, 23.225, 99.455

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 8.450, 101.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 23.225, 99.455 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(222, 213, 169)` looks like.

```
.text, #text, p{  
    color:rgb(222, 213, 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(222, 213, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 213, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 23.225, 99.455 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(222, 213, 169) }
```

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

```
.border{ border-color:rgb(222, 213, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 213, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 213, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 213, 169);  
box-shadow:4px 4px 4px 4px rgb(222, 213,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 23.225, 99.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 213, 169) }
```

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

```
.background{ background-color: rgb(222,  
213, 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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