

Converting Colors

CIELCh(83, 15.605, 84.368)

Have a look what the booklet for
CIELCh(83, 15.605, 84.368) contains.

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Color

CIELCh(83, 15.508, 85.387)

Conversions

Conversions Part 1

Format	Color
Hex	DDCDB2
RGB	221, 205, 178
RGB Percent	87%, 80%, 70%
CMY	0.1338, 0.1966, 0.3024
CMYK	0.00, 0.07, 0.19, 0.13
HSL	38°, 39%, 78%
HSV	38°, 19%, 87%
XYZ	59.6036, 62.1629, 50.9112
YIQ	206.7060, 18.2030, -5.0050

Conversions

Conversions Part 2

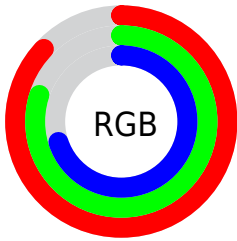
Format	Color
R_{YB}	203, 221, 178
Decimal	14536114
CIE _{Lab}	83.00, 1.25, 15.46
CIE _{LCh}	83, 15.508, 85.387
Yxy	62.1629, 0.3452, 0.3600
Android (android.graphics.Color)	4292726194 (0xFFDDCDB2)
YUV	206.7060, -14.1521, 12.5358
Hunter-Lab	78.8435, -3.0348, 16.9054

Details

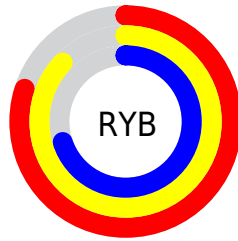
The CIELCh color $83, 15.508, 85.387$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $78, 15.300, 270.735$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 10.630, 109.373$, and $63, 15.778, 85.297$ is the 20% darker color. If you saturate the color by 10%, you get $80, 23.786, 84.059$, and if you desaturate by 10%, it is $86, 7.438, 86.679$.

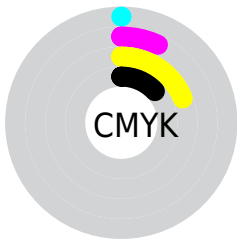
Distribution



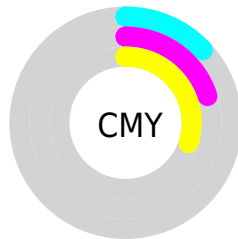
- Red (87%)
- Green (80%)
- Blue (70%)



- Red (80%)
- Yellow (87%)
- Blue (70%)



- Cyan (0%)
- Magenta (7%)
- Yellow (19%)
- Black (13%)



- Cyan (13%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 15.508, 85.387 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, 15.508, 85.387 by changing the saturation by 10% instead.

■ 83, 15.508, 85.387

■ 83, 15.508, 85.387

■ 100, 15.508,
85.387

■ 73, 15.508, 85.387

■ 63, 15.508, 85.387

■ 53, 15.508, 85.387

■ 43, 15.508, 85.387

■ 33, 15.508, 85.387

■ 23, 15.508, 85.387

■ 13, 15.508, 85.387

■ 3, 15.508, 85.387

■ 0, 15.508, 85.387

83, 15.508, 85.387

83, 15.508, 85.387

80, 23.786, 84.059

86, 7.438, 86.679

78, 32.243, 82.679

88, 0.424, 268.660

76, 40.811, 81.257

91, 8.086, 269.224

73, 49.341, 79.778

93, 10.445,
257.901

71, 57.537, 78.203

95, 9.550, 228.154

69, 64.868, 76.445

97, 11.238,
200.918

67, 70.513, 74.339

98, 11.520,
198.736

65, 74.085, 71.597

Harmonies

Complementary

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



83, 15.508, 85.387



78, 15.300, 270.735

Rectangle

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



83, 15.508, 85.387



83, 15.508, 135.387



83, 15.508, 265.387



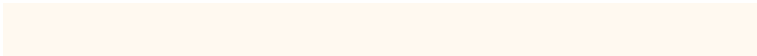
83, 15.508, 315.387

Sweetspot

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



83, 15.509, 85.396



98, 5.270, 87.092



77, 18.340, 352.334



52, 3.499, 87.015



0, 0.000, 0.000



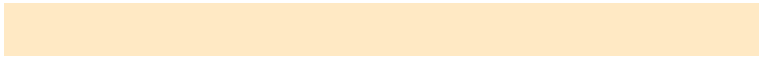
53, 0.007, 296.813

Same Dimension

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



83, 15.509, 85.396



93, 20.693, 84.904



87, 22.399, 113.217



45, 4.435, 86.684



52, 61.817, 72.165



12, 19.041, 74.451

Inverse Universe

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



78, 15.300, 270.735



87, 20.351, 271.373



74, 23.408, 296.521



43, 4.415, 269.202



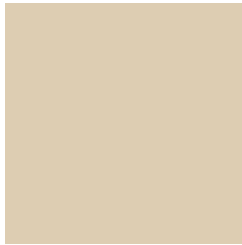
31, 68.395, 294.107



5, 21.654, 283.434

Previews

White Background



This preview shows how the CIELCh color 83, 15.508, 85.387 looks on a white background.

Color Contrast Check

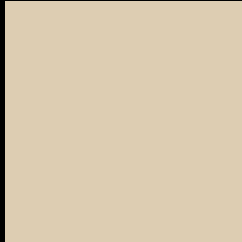
Large Text (above 18pt) WCAG AA × Fail

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, 15.508, 85.387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

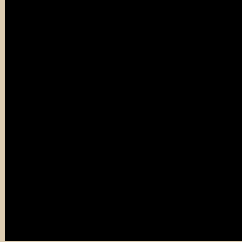
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

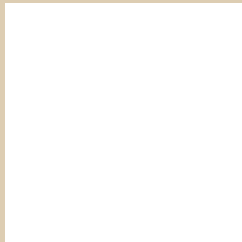
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 15.508, 85.387

Background



This preview shows how black text looks on a background with the CIELCh color 83, 15.508, 85.387.



This preview shows how white text looks on a background with the CIELCh color 83, 15.508, 85.387.

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, 15.508, 85.387

Protanopia

83, 14.817, 92.308

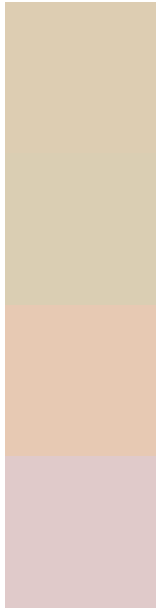
Deuteranopia

83, 18.313, 55.117



Tritanopia
83, 12.367, 340.596

Trichromacy



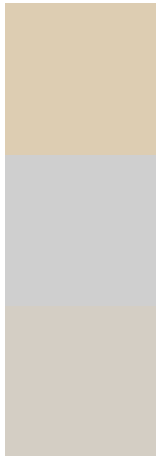
Original Color
83, 15.508, 85.387

Protanomaly
83, 14.933, 90.881

Deuteranomaly
83, 16.525, 64.202

Tritanomaly
83, 8.178, 19.963

Monochromacy



Original Color
83, 15.508, 85.387

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 5.704, 86.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 15.508, 85.387 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(221, 205, 178)` looks like.

```
.text, #text, p{  
    color:rgb(221, 205, 178)  
}
```

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(221, 205, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 205, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 15.508, 85.387 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(221, 205, 178) }
```

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

```
.border{ border-color:rgb(221, 205, 178) }
```

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

Here you see how a box with a 4 pixel rgb(221, 205, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 205, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 205, 178);  
box-shadow:4px 4px 4px 4px rgb(221, 205,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 15.508, 85.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 205, 178) }
```

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

```
.background{ background-color: rgb(221,  
205, 178) }
```

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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