

Converting Colors

CIELCh(83, 29.652, 107.066)

Have a look what the booklet for
CIELCh(83, 29.652, 107.066)
contains.

CIELCh(83, 29.730, 106.789)	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, 29.730, 106.789)

Conversions

Conversions Part 1

Format	Color
Hex	D3D299
RGB	211, 210, 153
RGB Percent	83%, 82%, 60%
CMY	0.1730, 0.1769, 0.4004
CMYK	0.00, 0.00, 0.27, 0.17
HSL	59°, 40%, 71%
HSV	59°, 27%, 83%
XYZ	55.5883, 62.1629, 39.1575
YIQ	203.8010, 18.8930, -17.5150

Conversions

Conversions Part 2

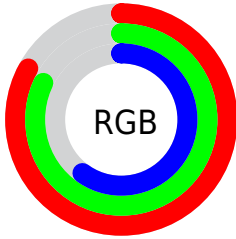
Format	Color
RYB	154, 211, 153
Decimal	13882009
CIELab	83.00, -8.59, 28.46
CIELCh	83, 29.730, 106.789
Yxy	62.1629, 0.3543, 0.3962
Android (android.graphics.Color)	4292072089 (0xFFD3D299)
YUV	203.8010, -25.0449, 6.3135
Hunter-Lab	78.8435, -12.1254, 25.7441

Details

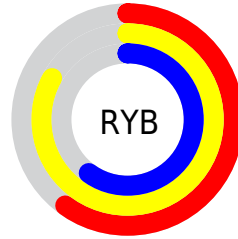
The CIELCh color **83, 29.730, 106.789** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **65, 31.684, 292.838**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 23.732, 108.378**, and **63, 30.146, 106.854** is the 20% darker color. If you saturate the color by 10%, you get **83, 40.237, 105.822**, and if you desaturate by 10%, it is **83, 19.002, 107.777**.

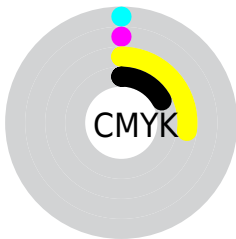
Distribution



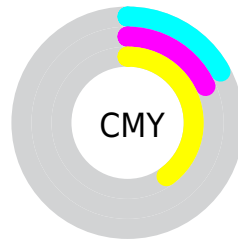
- Red (83%)
- Green (82%)
- Blue (60%)



- Red (60%)
- Yellow (83%)
- Blue (60%)



- Cyan (0%)
- Magenta (0%)
- Yellow (27%)
- Black (17%)





- Cyan (17%)
- Magenta (18%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 29.730, 106.789 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, 29.730, 106.789 by changing the saturation by 10% instead.


 83, 29.730,
106.789


 83, 29.730,
106.789


 100, 29.730,
106.789


 73, 29.730,
106.789

 63, 29.730,
106.789

 53, 29.730,
106.789

 43, 29.730,
106.789

 33, 29.730,
106.789

 23, 29.730,
106.789

 13, 29.730,

106.789

■ 3, 29.730, 106.789

■ 0, 29.730, 106.789

■ 83, 29.730,
106.789

■ 83, 29.730,
106.789

■ 83, 40.237,
105.822

■ 83, 19.002,
107.777

■ 82, 50.350,
104.887

■ 84, 8.157, 108.755

■ 82, 59.809,
104.015

■ 85, 2.735, 289.758

■ 82, 68.231,
103.239

■ 85, 13.630,
290.678

■ 81, 75.111,

■ 86, 22.752,
291.393

102.597

86, 22.555,
291.066

81, 79.924,
102.122

86, 22.359,
290.734

81, 82.439,
101.822

86, 22.164,
290.396

81, 82.900,
101.759

86, 21.969,
290.052

Harmonies

Complementary

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



83, 29.730, 106.789



65, 31.684, 292.838

Rectangle

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



83, 29.730, 106.789



83, 29.730, 156.789



83, 29.730, 286.789



83, 29.730, 336.789

Sweetspot

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



83, 29.732, 106.793



99, 10.151, 108.698



69, 23.255, 19.052



53, 7.214, 108.550



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, 29.732, 106.793



98, 41.460, 106.221



81, 32.152, 126.594



44, 6.128, 108.570



66, 70.100, 101.777



15, 23.071, 103.999

Inverse Universe

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



65, 31.684, 292.838



73, 44.910, 293.764



67, 33.501, 309.280



40, 6.260, 290.476



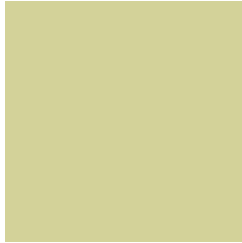
20, 97.205, 306.056



2, 25.248, 292.824

Previews

White Background



This preview shows how the CIELCh color 83, 29.730, 106.789 looks on a white background.

Color Contrast Check

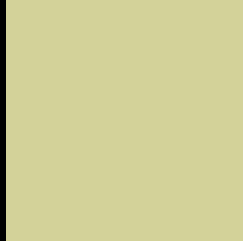
Large Text (above 18pt) WCAG AA × Fail

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 83, 29.730, 106.789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

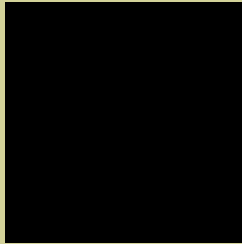
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

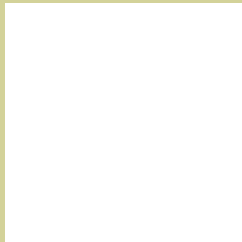
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 29.730, 106.789

Background



This preview shows how black text looks on a background with the CIELCh color 83, 29.730, 106.789.



This preview shows how white text looks on a background with the CIELCh color 83, 29.730, 106.789.

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, 29.730, 106.789

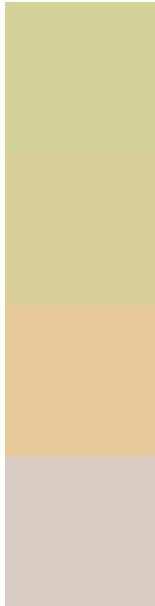
Protanopia
83, 29.531, 94.996

Deuteranopia
83, 29.412, 69.699



Tritanopia
83, 10.714, 328.061

Trichromacy



Original Color
83, 29.730, 106.789

Protanomaly
83, 29.114, 98.897

Deuteranomaly
83, 27.945, 83.110

Tritanomaly
83, 6.914, 69.110

Monochromacy



Original Color
83, 29.730, 106.789

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 11.066, 107.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 29.730, 106.789 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(211, 210, 153)` looks like.

```
.text, #text, p{  
    color:rgb(211, 210, 153)  
}
```

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(211, 210, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 210, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 29.730, 106.789 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(211, 210, 153) }
```

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

```
.border{ border-color:rgb(211, 210, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 210, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(211, 210, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(211, 210, 153); box-shadow:4px 4px 4px 4px rgb(211, 210, 153) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 29.730, 106.789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 210, 153) }
```

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

```
.background{ background-color: rgb(211,  
210, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor