

Converting Colors

CIELCh(83, 23.117, 306.037)

Have a look what the booklet for
CIELCh(83, 23.117, 306.037)
contains.

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Color

CIELCh(83, 22.995, 305.757)

Conversions

Conversions Part 1

Format	Color
Hex	D8C8F2
RGB	216, 200, 242
RGB Percent	85%, 78%, 95%
CMY	0.1538, 0.2166, 0.0519
CMYK	0.11, 0.17, 0.00, 0.05
HSL	263°, 61%, 87%
HSV	263°, 17%, 95%
XYZ	64.8431, 62.1629, 92.3990
YIQ	209.5720, -3.9460, 16.4540

Conversions

Conversions Part 2

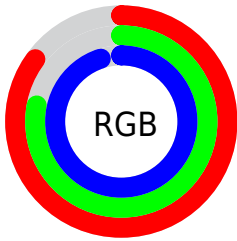
Format	Color
R _Y B	216, 200, 242
Decimal	14207218
CIE Lab	83.00, 13.44, -18.66
CIE LCh	83, 22.995, 305.757
Yxy	62.1629, 0.2955, 0.2833
Android (android.graphics.Color)	4292397298 (0xFFD8C8F2)
YUV	209.5720, 15.9870, 5.6374
Hunter-Lab	78.8435, 8.8273, -14.2932

Details

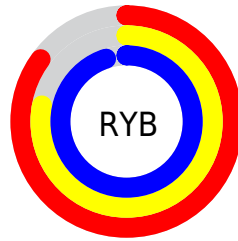
The CIELCh color `83, 22.995, 305.757` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `93, 22.314, 123.913`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `63, 23.131, 305.787` is the 20% darker color. If you saturate the color by 10%, you get `76, 36.813, 306.396`, and if you desaturate by 10%, it is `90, 9.597, 305.176`.

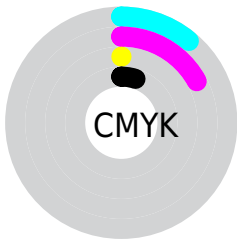
Distribution



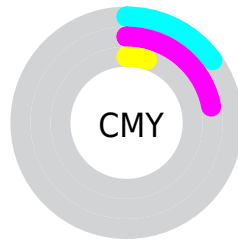
- Red (85%)
- Green (78%)
- Blue (95%)



- Red (85%)
- Yellow (78%)
- Blue (95%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (22%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 22.995, 305.757 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, 22.995, 305.757 by changing the saturation by 10% instead.


 83, 22.995,
305.757


 83, 22.995,
305.757


 100, 22.995,
305.757


 73, 22.995,
305.757

 63, 22.995,
305.757

 53, 22.995,
305.757

 43, 22.995,
305.757

 33, 22.995,
305.757

 23, 22.995,
305.757

 13, 22.995,

305.757

■ 3, 22.995, 305.757

■ 0, 22.995, 305.757

■ 83, 22.995,
305.757

■ 83, 22.995,
305.757

■ 76, 36.813,
306.396

■ 90, 9.597, 305.176

■ 97, 3.356, 124.703

■ 69, 50.996,
307.092

■ 100, 6.699,
109.665

■ 62, 65.405,
307.825

■ 55, 79.758,
308.554

■ 49, 93.541,

309.209

■ 44, 105.910,
309.678

■ 39, 115.702,
309.811

■ 36, 121.854,
309.476

■ 35, 123.118,
309.360

Harmonies

Complementary

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



83, 22.995, 305.757



93, 22.314, 123.913

Rectangle

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



83, 22.995, 305.757



83, 22.995, 355.757



83, 22.995, 125.757



83, 22.995, 175.757

Sweetspot

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



83, 22.993, 305.756



96, 6.778, 305.046



89, 11.851, 241.795



51, 4.629, 305.085



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, 22.993, 305.756



84, 29.204, 305.985



85, 25.581, 321.578



46, 7.375, 305.294



26, 99.948, 309.539



4, 39.132, 308.353

Inverse Universe

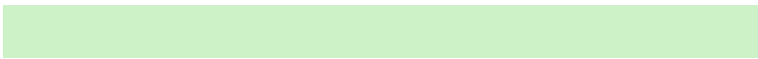
The Inverse Universe completely reimagines the original color for something new.



85, 20.400, 339.069



87, 25.811, 339.382



92, 25.438, 139.854



47, 6.586, 338.422



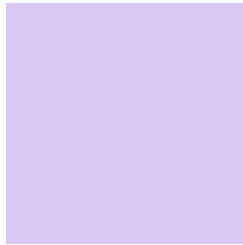
40, 68.898, 351.257



9, 30.951, 346.989

Previews

White Background



This preview shows how the CIELCh color 83, 22.995, 305.757 looks on a white background.

Color Contrast Check

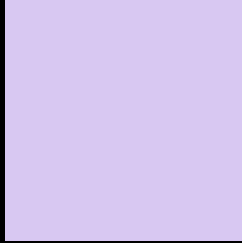
Large Text (above 18pt) WCAG AA × Fail

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, 22.995, 305.757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

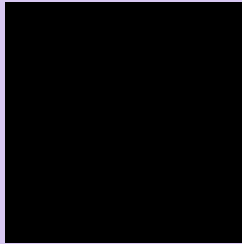
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 22.995, 305.757

Background



This preview shows how black text looks on a background with the CIELCh color 83, 22.995, 305.757.



This preview shows how white text looks on a background with the CIELCh color 83, 22.995, 305.757.

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, 22.995, 305.757

Protanopia

83, 21.204, 286.604

Deuteranopia

83, 20.884, 299.402



Tritanopia
83, 8.971, 309.377

Trichromacy



Original Color
83, 22.995, 305.757

Protanomaly
83, 21.734, 293.802

Deuteranomaly
83, 21.587, 301.949

Tritanomaly
83, 14.357, 306.897

Monochromacy



Original Color
83, 22.995, 305.757

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 8.151, 303.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 22.995, 305.757 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, 200, 242)` looks like.

```
.text, #text, p{  
    color:rgb(216, 200, 242)  
}
```

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, 200, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 200, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 22.995, 305.757 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, 200, 242) }
```

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

```
.border{ border-color:rgb(216, 200, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 200, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 200, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 200, 242);  
box-shadow:4px 4px 4px 4px rgb(216, 200,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 22.995, 305.757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 200, 242) }
```

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

```
.background{ background-color: rgb(216,  
200, 242) }
```

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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