

Converting Colors

CIELCh(83, 16.127, 317.921)

Have a look what the booklet for
CIELCh(83, 16.127, 317.921)
contains.

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Color

CIELCh(83, 16.020, 317.504)

Conversions

Conversions Part 1

Format	Color
Hex	DCC8E3
RGB	220, 200, 227
RGB Percent	86%, 78%, 89%
CMY	0.1367, 0.2151, 0.1093
CMYK	0.03, 0.12, 0.00, 0.11
HSL	284°, 33%, 84%
HSV	284°, 12%, 89%
XYZ	64.1275, 62.1629, 81.3925
YIQ	209.0580, 3.2530, 12.6370

Conversions

Conversions Part 2

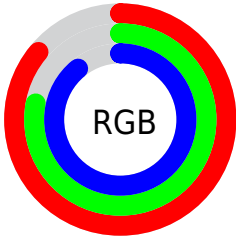
Format	Color
R _Y B	220, 200, 227
Decimal	14469347
CIE Lab	83.00, 11.81, -10.82
CIE LCh	83, 16.020, 317.504
Yxy	62.1629, 0.3088, 0.2993
Android (android.graphics.Color)	4292659427 (0xFFDCC8E3)
YUV	209.0580, 8.8454, 9.5961
Hunter-Lab	78.8435, 7.2072, -6.0164

Details

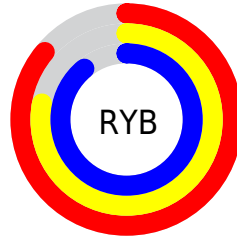
The CIELCh color `83, 16.020, 317.504` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `88, 15.886, 136.488`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `63, 16.250, 317.324` is the 20% darker color. If you saturate the color by 10%, you get `77, 29.741, 317.948`, and if you desaturate by 10%, it is `89, 2.522, 317.005`.

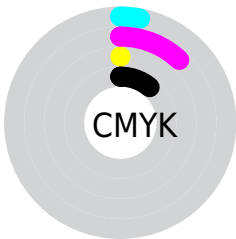
Distribution



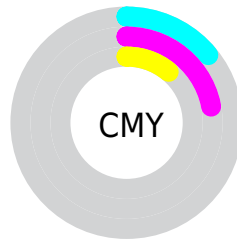
- Red (86%)
- Green (78%)
- Blue (89%)



- Red (86%)
- Yellow (78%)
- Blue (89%)



- Cyan (3%)
- Magenta (12%)
- Yellow (0%)
- Black (11%)





- Cyan (14%)
- Magenta (22%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 16.020, 317.504 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, 16.020, 317.504 by changing the saturation by 10% instead.


 83, 16.020,
317.504


 83, 16.020,
317.504


 100, 16.020,
317.504


 73, 16.020,
317.504

 63, 16.020,
317.504

 53, 16.020,
317.504

 43, 16.020,
317.504

 33, 16.020,
317.504

 23, 16.020,
317.504

 13, 16.020,

317.504

■ 3, 16.020, 317.504

■ 0, 16.020, 317.504

■ 83, 16.020,
317.504

■ 83, 16.020,
317.504

■ 77, 29.741,
317.948

■ 89, 2.522, 317.005

■ 71, 43.547,
318.386

■ 95, 10.661,
136.701

■ 65, 57.203,
318.797

■ 98, 15.483,
132.595

■ 60, 70.354,
319.151

■ 99, 14.732,
125.177

■ 55, 82.502,

■ 99, 14.257,
117.021

319.406

99, 14.097,
109.112

51, 93.012,
319.511

48, 101.201,
319.407

45, 106.537,
319.040

44, 108.992,
318.568

Harmonies

Complementary

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



83, 16.020, 317.504



88, 15.886, 136.488

Rectangle

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



83, 16.020, 317.504



83, 16.020, 7.504



83, 16.020, 137.504



83, 16.020, 187.504

Sweetspot

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



83, 16.018, 317.503



97, 5.878, 317.139



83, 10.704, 277.642



51, 4.179, 317.177



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, 16.018, 317.503



91, 20.764, 317.601



83, 14.675, 332.465



45, 7.700, 317.394



34, 90.955, 318.703



6, 36.911, 319.536

Inverse Universe

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



83, 10.636, 359.953



91, 13.827, 0.198



88, 14.617, 150.935



45, 5.097, 359.687



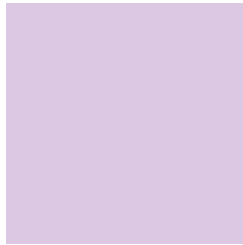
37, 68.479, 24.533



7, 26.640, 10.660

Previews

White Background



This preview shows how the CIELCh color 83, 16.020, 317.504 looks on a white background.

Color Contrast Check

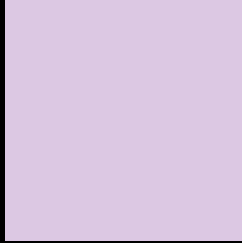
Large Text (above 18pt) WCAG AA × Fail

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, 16.020, 317.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

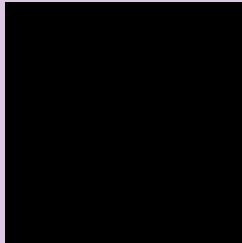
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 16.020, 317.504

Background



This preview shows how black text looks on a background with the CIELCh color 83, 16.020, 317.504.



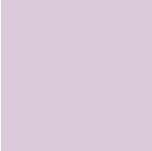
This preview shows how white text looks on a background with the CIELCh color 83, 16.020, 317.504.

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





Tritanopia
83, 10.489, 326.469

Trichromacy



Original Color
83, 16.020, 317.504

Protanomaly
83, 13.964, 299.952

Deuteranomaly
83, 15.229, 315.958

Tritanomaly
83, 12.445, 322.133

Monochromacy



Original Color
83, 16.020, 317.504

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 5.883, 315.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 16.020, 317.504 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(220, 200, 227)` looks like.

```
.text, #text, p{  
    color:rgb(220, 200, 227)  
}
```

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(220, 200, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 200, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 16.020, 317.504 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(220, 200, 227) }
```

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

```
.border{ border-color:rgb(220, 200, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 200, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 200, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 200, 227);  
box-shadow:4px 4px 4px 4px rgb(220, 200,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 16.020, 317.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 200, 227) }
```

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

```
.background{ background-color: rgb(220,  
200, 227) }
```

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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