

Converting Colors

CIELCh(84, 20.563, 313.489)

Have a look what the booklet for
CIELCh(84, 20.563, 313.489)
contains.

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Color

CIELCh(84, 20.581, 313.491)

Conversions

Conversions Part 1

Format	Color
Hex	E0CAEE
RGB	224, 202, 238
RGB Percent	88%, 79%, 93%
CMY	0.1227, 0.2089, 0.0678
CMYK	0.06, 0.15, 0.00, 0.07
HSL	277°, 51%, 86%
HSV	277°, 15%, 93%
XYZ	67.0952, 64.0658, 89.4944
YIQ	212.6820, 1.5560, 15.8600

Conversions

Conversions Part 2

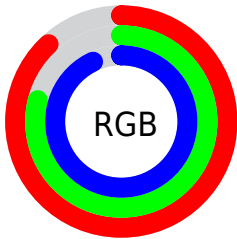
Format	Color
R _Y B	224, 202, 238
Decimal	14732014
CIE Lab	84.00, 14.16, -14.93
CIE LCh	84, 20.581, 313.491
Yxy	64.0658, 0.3041, 0.2903
Android (android.graphics.Color)	4292922094 (0xFFE0CAEE)
YUV	212.6820, 12.4818, 9.9259
Hunter-Lab	80.0411, 9.5574, -10.2637

Details

The CIELCh color `84, 20.581, 313.491` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `92, 20.258, 132.200`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 20.544, 313.853` is the 20% darker color. If you saturate the color by 10%, you get `77, 34.539, 313.950`, and if you desaturate by 10%, it is `91, 6.904, 313.039`.

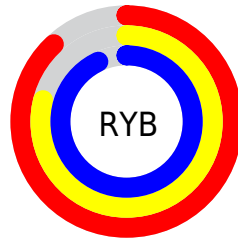
Distribution



Red (88%)

Green (79%)

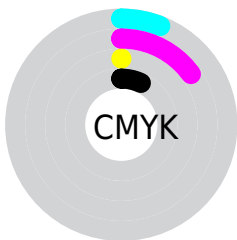
Blue (93%)



Red (88%)

Yellow (79%)

Blue (93%)

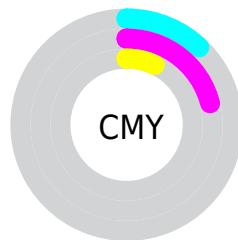


Cyan (6%)

Magenta (15%)

Yellow (0%)

Black (7%)



Cyan (12%)


Magenta (21%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 20.581, 313.491 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 84, 20.581, 313.491 by changing the saturation by 10% instead.


 84, 20.581,
313.491

 84, 20.581,
313.491


 100, 20.581,
313.491


 74, 20.581,
313.491

 64, 20.581,
313.491

 54, 20.581,
313.491

 44, 20.581,
313.491

 34, 20.581,
313.491

 24, 20.581,
313.491

 14, 20.581,

313.491

■ 4, 20.581, 313.491

■ 0, 20.581, 313.491

■ 84, 20.581,
313.491

■ 84, 20.581,
313.491

■ 77, 34.539,
313.950

■ 91, 6.904, 313.039

■ 71, 48.660,
314.414

■ 97, 6.419, 132.687

■ 65, 62.722,
314.859

■ 99, 8.860, 117.745

■ 100, 8.752,
109.513

■ 59, 76.373,
315.247

■ 54, 89.077,

315.523

■ 49, 100.107,
315.614

■ 45, 108.630,
315.431

■ 43, 113.982,
314.894

■ 42, 115.708,
314.542

Harmonies

Complementary

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



84, 20.581, 313.491



92, 20.258, 132.200

Rectangle

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



84, 20.581, 313.491



84, 20.581, 3.491



84, 20.581, 133.491



84, 20.581, 183.491

Sweetspot

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



84, 20.579, 313.490



96, 7.110, 313.033



86, 12.228, 267.577



51, 4.854, 313.066



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 20.579, 313.490



87, 25.987, 313.623



85, 21.334, 328.140



47, 7.724, 313.236



32, 95.215, 314.719



6, 39.984, 315.635

Inverse Universe

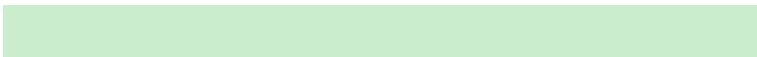
The Inverse Universe completely reimagines the original color for something new.



85, 15.095, 351.511



88, 19.080, 351.829



91, 21.296, 146.310



47, 5.654, 350.920



39, 66.403, 12.715



8, 28.812, 4.292

Previews

White Background



This preview shows how the CIELCh color 84, 20.581, 313.491 looks on a white background.

Color Contrast Check

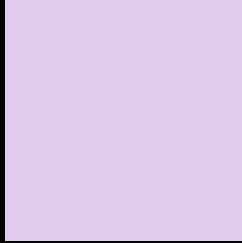
Large Text (above 18pt) WCAG AA × Fail

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 84, 20.581, 313.491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

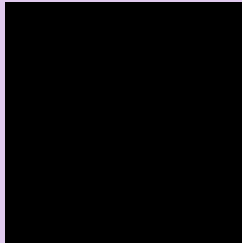
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 20.581, 313.491

Background



This preview shows how black text looks on a background with the CIELCh color 84, 20.581, 313.491.

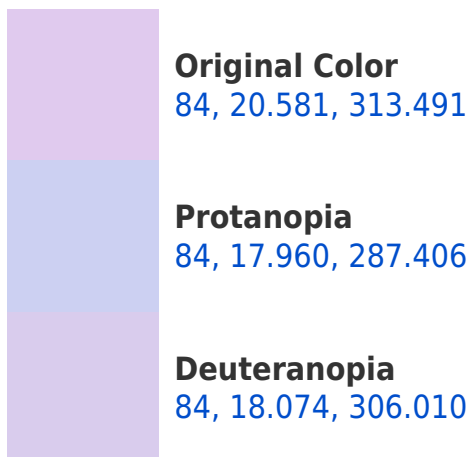


This preview shows how white text looks on a background with the CIELCh color 84, 20.581, 313.491.

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
84, 10.255, 324.812

Trichromacy



Original Color
84, 20.581, 313.491

Protanomaly
84, 18.068, 297.110

Deuteranomaly
84, 18.881, 308.711

Tritanomaly
84, 13.780, 318.715

Monochromacy



Original Color
84, 20.581, 313.491

Achromatopsia
85, 0.010, 296.813

Achromatomaly
84, 7.462, 313.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 20.581, 313.491 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(224, 202, 238)` looks like.

```
.text, #text, p{  
    color:rgb(224, 202, 238)  
}
```

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(224, 202, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 202, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 20.581, 313.491 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(224, 202, 238) }
```

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

```
.border{ border-color:rgb(224, 202, 238) }
```

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

Here you see how a box with a 4 pixel rgb(224, 202, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 202, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 202, 238);  
box-shadow:4px 4px 4px 4px rgb(224, 202,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 20.581, 313.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 202, 238) }
```

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

```
.background{ background-color: rgb(224,  
202, 238) }
```

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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