

Converting Colors

CIELCh(85, 23.896, 312.355)

Have a look what the booklet for
CIELCh(85, 23.896, 312.355)
contains.

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Color

CIELCh(85, 24.341, 312.618)

Conversions

Conversions Part 1

Format	Color
Hex	E4CBF6
RGB	228, 203, 246
RGB Percent	89%, 80%, 96%
CMY	0.1050, 0.2031, 0.0344
CMYK	0.07, 0.17, 0.00, 0.03
HSL	275°, 71%, 88%
HSV	275°, 17%, 97%
XYZ	70.1363, 66.0070, 96.4081
YIQ	215.3770, 1.0970, 18.6730

Conversions

Conversions Part 2

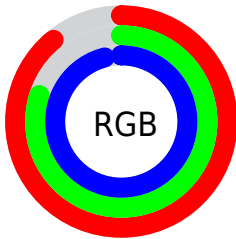
Format	Color
R _Y B	228, 203, 246
Decimal	14994422
CIE Lab	85.00, 16.48, -17.91
CIE LCh	85, 24.341, 312.618
Yxy	66.0070, 0.3016, 0.2838
Android (android.graphics.Color)	4293184502 (0xFFE4CBF6)
YUV	215.3770, 15.0971, 11.0704
Hunter-Lab	81.2447, 11.9159, -13.4845

Details

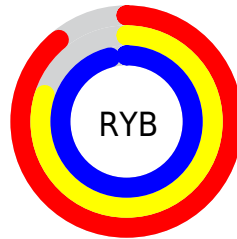
The CIELCh color `85, 24.341, 312.618` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 23.866, 131.095`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 24.370, 312.119` is the 20% darker color. If you saturate the color by 10%, you get `78, 38.695, 313.092`, and if you desaturate by 10%, it is `92, 10.275, 312.159`.

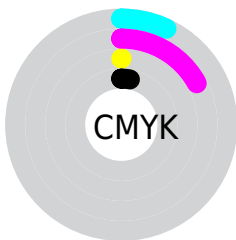
Distribution



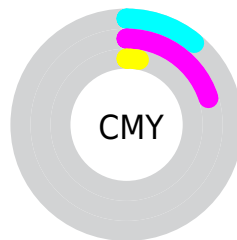
- Red (89%)
- Green (80%)
- Blue (96%)



- Red (89%)
- Yellow (80%)
- Blue (96%)



- Cyan (7%)
- Magenta (17%)
- Yellow (0%)
- Black (3%)



- Cyan (11%)
- Magenta (20%)
- Yellow (3%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 24.341, 312.618 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 85, 24.341, 312.618 by changing the saturation by 10% instead.

 85, 24.341,
312.618

 85, 24.341,
312.618


 100, 24.341,
312.618


 75, 24.341,
312.618

 65, 24.341,
312.618

 55, 24.341,
312.618

 45, 24.341,
312.618

 35, 24.341,
312.618

 25, 24.341,
312.618

 15, 24.341,

312.618

■ 5, 24.341, 312.618

■ 0, 24.341, 312.618

■ 85, 24.341,
312.618

■ 85, 24.341,
312.618

■ 78, 38.695,
313.092

■ 92, 10.275,
312.159

■ 72, 53.209,
313.572

■ 99, 3.424, 131.808

■ 65, 67.640,
314.032

■ 100, 4.442,
109.829

■ 59, 81.596,
314.427

■ 54, 94.485,

314.697

■ 49, 105.503,
314.758

■ 45, 113.755,
314.514

■ 43, 118.654,
313.891

■ 42, 119.603,
313.708

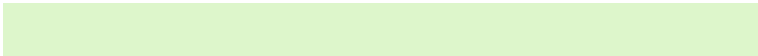
Harmonies

Complementary

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



85, 24.341, 312.618



94, 23.866, 131.095

Rectangle

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



85, 24.341, 312.618



85, 24.341, 2.618



85, 24.341, 132.618



85, 24.341, 182.618

Sweetspot

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



85, 24.339, 312.617



96, 7.059, 312.045



88, 14.023, 264.821



51, 4.820, 312.078



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 24.339, 312.617



85, 30.232, 312.785



86, 25.934, 327.272



47, 7.805, 312.250



31, 96.805, 313.900



6, 41.631, 314.908

Inverse Universe

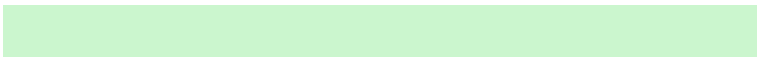
The Inverse Universe completely reimagines the original color for something new.



86, 18.288, 349.911



86, 22.720, 350.301



93, 25.900, 145.161



48, 5.857, 349.089



40, 66.770, 9.890



9, 29.723, 2.456

Previews

White Background



This preview shows how the CIELCh color 85, 24.341, 312.618 looks on a white background.

Color Contrast Check

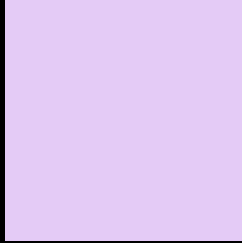
Large Text (above 18pt) WCAG AA × Fail

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 85, 24.341, 312.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

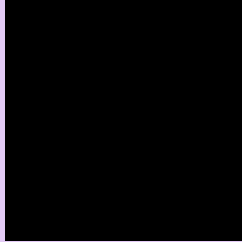
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 24.341, 312.618

Background



This preview shows how black text looks on a background with the CIELCh color 85, 24.341, 312.618.



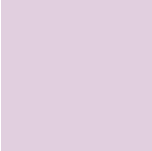
This preview shows how white text looks on a background with the CIELCh color 85, 24.341, 312.618.

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
85, 10.658, 328.048

Trichromacy



Original Color
85, 24.341, 312.618

Protanomaly
85, 21.703, 296.417

Deuteranomaly
85, 21.265, 305.800

Tritanomaly
85, 15.010, 319.276

Monochromacy



Original Color
85, 24.341, 312.618

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 9.038, 311.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 24.341, 312.618 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(228, 203, 246)` looks like.

```
.text, #text, p{  
    color:rgb(228, 203, 246)  
}
```

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(228, 203, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 203, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 24.341, 312.618 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(228, 203, 246) }
```

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

```
.border{ border-color:rgb(228, 203, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 203, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 203, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 203, 246);  
box-shadow:4px 4px 4px 4px rgb(228, 203,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 24.341, 312.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 203, 246) }
```

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

```
.background{ background-color: rgb(228,  
203, 246) }
```

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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