

Converting Colors

CIELCh(85, 12.054, 306.301)

Have a look what the booklet for
CIELCh(85, 12.054, 306.301)
contains.

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Color

CIELCh(85, 12.054, 306.301)

Conversions

Conversions Part 1

Format	Color
Hex	DAD1E7
RGB	218, 209, 231
RGB Percent	85%, 82%, 91%
CMY	0.1466, 0.1819, 0.0956
CMYK	0.06, 0.10, 0.00, 0.10
HSL	265°, 31%, 86%
HSV	265°, 10%, 90%
XYZ	65.8738, 66.0070, 84.5821
YIQ	214.1990, -1.6980, 8.7500

Conversions

Conversions Part 2

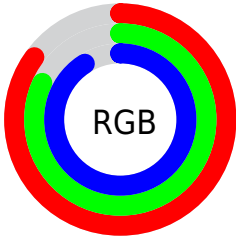
Format	Color
R _Y B	218, 209, 231
Decimal	14340583
CIE Lab	85.00, 7.14, -9.71
CIE LCh	85, 12.054, 306.301
Yxy	66.0070, 0.3043, 0.3049
Android (android.graphics.Color)	4292530663 (0xFFDAD1E7)
YUV	214.1990, 8.2829, 3.3335
Hunter-Lab	81.2447, 2.5508, -4.8542

Details

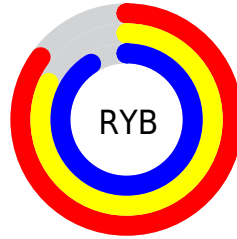
The CIELCh color `85, 12.054, 306.301` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `90, 11.857, 125.371`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 11.555, 306.071` is the 20% darker color. If you saturate the color by 10%, you get `78, 25.081, 306.862`, and if you desaturate by 10%, it is `92, 0.566, 125.977`.

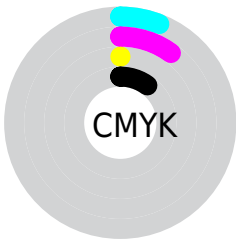
Distribution



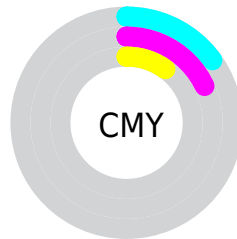
- Red (85%)
- Green (82%)
- Blue (91%)



- Red (85%)
- Yellow (82%)
- Blue (91%)



- Cyan (6%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)





- Cyan (15%)
- Magenta (18%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 12.054, 306.301 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, 12.054, 306.301 by changing the saturation by 10% instead.


 85, 12.054,
306.301


 85, 12.054,
306.301


 100, 12.054,
306.301


 75, 12.054,
306.301


 65, 12.054,
306.301

 55, 12.054,
306.301

 45, 12.054,
306.301

 35, 12.054,
306.301

 25, 12.054,
306.301

 15, 12.054,

306.301

■ 5, 12.054, 306.301

■ 0, 12.054, 306.301

■ 85, 12.054,
306.301

■ 85, 12.054,
306.301

■ 78, 25.081,
306.862

■ 92, 0.566, 125.977

■ 71, 38.493,
307.479

■ 99, 12.770,
125.372

■ 65, 52.206,
308.140

■ 99, 12.343,
109.245

■ 58, 66.053,
308.820

■ 52, 79.715,

309.475

■ 46, 92.634,
310.028

■ 41, 103.947,
310.364

■ 37, 112.553,
310.341

■ 34, 117.874,
309.897

Harmonies

Complementary

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



85, 12.054, 306.301



90, 11.857, 125.371

Rectangle

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



85, 12.054, 306.301



85, 12.054, 356.301



85, 12.054, 126.301



85, 12.054, 176.301

Sweetspot

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



85, 12.052, 306.298



98, 4.077, 305.948



88, 6.424, 245.038



52, 3.093, 305.993



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, 12.052, 306.298



92, 15.120, 306.381



86, 13.579, 322.159



44, 7.149, 306.294



26, 97.304, 310.055



4, 35.071, 307.830

Inverse Universe

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



86, 10.502, 339.746



93, 13.164, 339.874



90, 13.534, 141.238



45, 6.231, 339.739



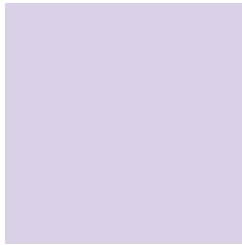
39, 66.639, 353.587



7, 28.723, 348.390

Previews

White Background



This preview shows how the CIELCh color 85, 12.054, 306.301 looks on a white background.

Color Contrast Check

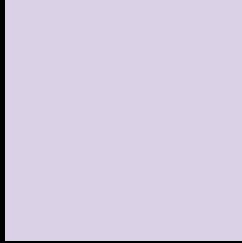
Large Text (above 18pt) WCAG AA × Fail

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 85, 12.054, 306.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

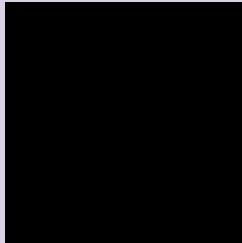
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 12.054, 306.301

Background



This preview shows how black text looks on a background with the CIELCh color 85, 12.054, 306.301.



This preview shows how white text looks on a background with the CIELCh color 85, 12.054, 306.301.

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

85, 12.054, 306.301

Protanopia

85, 11.054, 289.323

Deuteranopia

85, 14.690, 316.807



Tritanopia
85, 9.431, 308.367

Trichromacy



Original Color
85, 12.054, 306.301

Protanomaly
85, 11.128, 296.504

Deuteranomaly
85, 13.765, 313.735

Tritanomaly
85, 10.438, 306.663

Monochromacy



Original Color
85, 12.054, 306.301

Achromatopsia
86, 0.010, 296.813

Achromatomaly
85, 4.361, 304.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 12.054, 306.301 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(218, 209, 231)` looks like.

```
.text, #text, p{  
    color:rgb(218, 209, 231)  
}
```

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(218, 209, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 209, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 12.054, 306.301 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(218, 209, 231) }
```

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

```
.border{ border-color:rgb(218, 209, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 209, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 209, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 209, 231);  
box-shadow:4px 4px 4px 4px rgb(218, 209,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 12.054, 306.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 209, 231) }
```

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

```
.background{ background-color: rgb(218,  
209, 231) }
```

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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