

Converting Colors

CIELCh(88, 46.294, 300.714)

Have a look what the booklet for
CIELCh(88, 46.294, 300.714)
contains.

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Color

CIELCh(87, 25.005, 306.164)

Conversions

Conversions Part 1

Format	Color
Hex	E4D2FF
RGB	228, 210, 255
RGB Percent	89%, 82%, 100%
CMY	0.1051, 0.1758, 0.0000
CMYK	0.11, 0.18, 0.00, 0.00
HSL	264°, 100%, 91%
HSV	264°, 18%, 100%
XYZ	73.3963, 70.0064, 105.2870
YIQ	220.5120, -3.7170, 17.8110

Conversions

Conversions Part 2

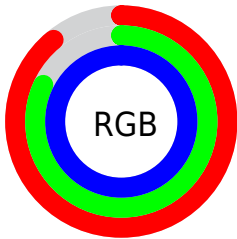
Format	Color
R _Y B	228, 210, 255
Decimal	14996223
CIE _{Lab}	87.00, 14.76, -20.19
CIE _{LCh}	87, 25.005, 306.164
Y _{xy}	70.0064, 0.2951, 0.2815
Android (android.graphics.Color)	4293186303 (0xFFE4D2FF)
YUV	220.5120, 17.0026, 6.5670
Hunter-Lab	83.6698, 10.1604, -16.0394

Details

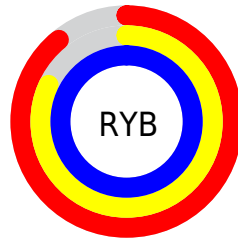
The CIELCh color `87, 25.005, 306.164` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 23.679, 124.697`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 24.018, 305.980` is the 20% darker color. If you saturate the color by 10%, you get `80, 38.854, 307.131`, and if you desaturate by 10%, it is `94, 10.345, 305.949`.

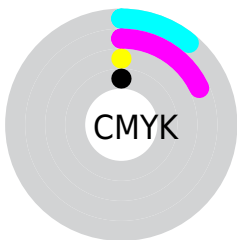
Distribution



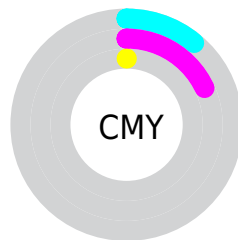
- Red (89%)
- Green (82%)
- Blue (100%)



- Red (89%)
- Yellow (82%)
- Blue (100%)



- Cyan (11%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 25.005, 306.164 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 87, 25.005, 306.164 by changing the saturation by 10% instead.

87, 25.005,
306.164

87, 25.005,
306.164

100, 25.005,
306.164

77, 25.005,
306.164

67, 25.005,
306.164

57, 25.005,
306.164

47, 25.005,
306.164

37, 25.005,
306.164

27, 25.005,
306.164

17, 25.005,

306.164

■ 7, 25.005, 306.164

■ 0, 25.005, 306.164

■ 87, 25.005,
306.164

■ 87, 25.005,
306.164

■ 80, 38.854,
307.131

■ 94, 10.345,
305.949

■ 72, 53.681,
307.799

100, 0.012,
296.813

■ 65, 68.706,
308.494

■ 58, 83.616,
309.176

■ 52, 97.855,

309.773

■ 46, 110.526,
310.173

■ 42, 120.436,
310.230

■ 39, 126.547,
309.820

■ 38, 127.689,
309.694

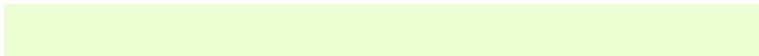
Harmonies

Complementary

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



87, 25.005, 306.164



98, 23.679, 124.697

Rectangle

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



87, 25.005, 306.164



87, 25.005, 356.164



87, 25.005, 126.164



87, 25.005, 176.164

Sweetspot

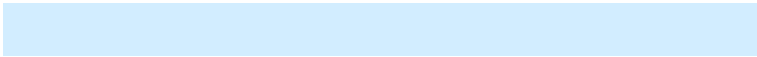
The Sweet Spot groups the original color and five complimentary colors.



87, 24.385, 306.512



96, 6.802, 305.810



92, 12.695, 246.085



51, 4.645, 305.848



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 24.385, 306.512



84, 29.293, 306.718



89, 27.288, 322.567



49, 7.787, 306.054



28, 102.631, 309.878



5, 44.898, 310.246

Inverse Universe

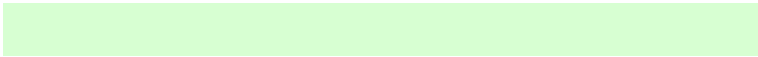
The Inverse Universe completely reimagines the original color for something new.



89, 21.248, 340.100



87, 25.442, 340.399



96, 27.170, 140.746



50, 6.827, 339.418



42, 70.295, 353.159



11, 33.117, 349.104

Previews

White Background



This preview shows how the CIELCh color 87, 25.005, 306.164 looks on a white background.

Color Contrast Check

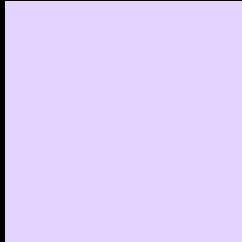
Large Text (above 18pt) WCAG AA × Fail

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 87, 25.005, 306.164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

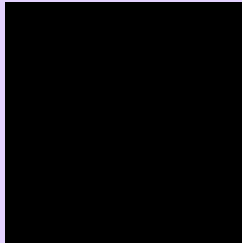
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

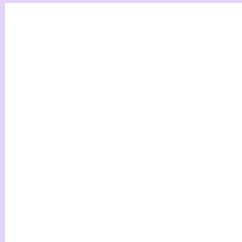
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 25.005, 306.164

Background



This preview shows how black text looks on a background with the CIELCh color 87, 25.005, 306.164.



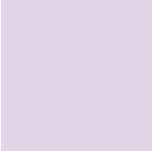
This preview shows how white text looks on a background with the CIELCh color 87, 25.005, 306.164.

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
87, 9.631, 312.382

Trichromacy



Original Color
87, 24.479, 306.444

Protanomaly
87, 21.540, 294.609

Deuteranomaly
87, 22.983, 302.118

Tritanomaly
87, 14.922, 308.931

Monochromacy



Original Color
87, 24.479, 306.444

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 8.762, 307.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 25.005, 306.164 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, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 210, 255)  
}
```

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, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 210, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 25.005, 306.164 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, 210, 255) }
```

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

```
.border{ border-color:rgb(228, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 210,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 25.005, 306.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 210, 255) }
```

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

```
.background{ background-color: rgb(228,  
210, 255) }
```

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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