

Converting Colors

CIELCh(85, 12.157, 333.544)

Have a look what the booklet for
CIELCh(85, 12.157, 333.544)
contains.

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Color

CIELCh(85, 12.225, 333.384)

Conversions

Conversions Part 1

Format	Color
Hex	E5CEDF
RGB	229, 206, 223
RGB Percent	90%, 81%, 87%
CMY	0.1026, 0.1928, 0.1262
CMYK	0.00, 0.10, 0.03, 0.10
HSL	316°, 31%, 85%
HSV	316°, 10%, 90%
XYZ	67.5825, 66.0070, 78.8673
YIQ	214.8150, 8.2510, 10.1630

Conversions

Conversions Part 2

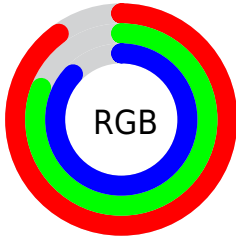
Format	Color
R _Y B	229, 206, 223
Decimal	15060703
CIE Lab	85.00, 10.93, -5.48
CIE LCh	85, 12.225, 333.384
Yxy	66.0070, 0.3181, 0.3107
Android (android.graphics.Color)	4293250783 (0xFFE5CEDF)
YUV	214.8150, 4.0352, 12.4402
Hunter-Lab	81.2447, 6.3049, -0.6837

Details

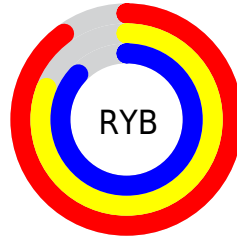
The CIELCh color `85, 12.225, 333.384` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `89, 12.170, 152.091`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 11.970, 332.646` is the 20% darker color. If you saturate the color by 10%, you get `79, 24.519, 334.095`, and if you desaturate by 10%, it is `91, 0.067, 327.331`.

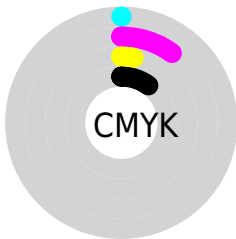
Distribution



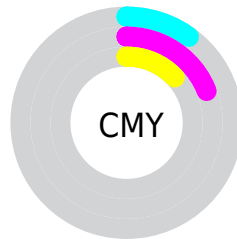
- Red (90%)
- Green (81%)
- Blue (87%)



- Red (90%)
- Yellow (81%)
- Blue (87%)



- Cyan (0%)
- Magenta (10%)
- Yellow (3%)
- Black (10%)



- Cyan (10%)
- Magenta (19%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 12.225, 333.384 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, 12.225, 333.384 by changing the saturation by 10% instead.


 85, 12.225,
333.384


 85, 12.225,
333.384


 100, 12.225,
333.384


 75, 12.225,
333.384

 65, 12.225,
333.384

 55, 12.225,
333.384

 45, 12.225,
333.384

 35, 12.225,
333.384

 25, 12.225,
333.384

 15, 12.225,

333.384

■ 5, 12.225, 333.384

■ 0, 12.225, 333.384

■ 85, 12.225,
333.384

■ 85, 12.225,
333.384

■ 79, 24.519,
334.095

■ 91, 0.067, 327.331

■ 74, 36.765,
334.832

■ 97, 11.833,
152.163

■ 69, 48.672,
335.610

■ 98, 11.757,
160.508

■ 64, 59.835,
336.440

■ 98, 10.046,
173.901

■ 60, 69.737,

■ 98, 9.048, 191.356

337.337

98, 8.911, 198.917

57, 77.794,
338.331

54, 83.468,
339.465

52, 86.446,
340.794

51, 87.071,
342.347

Harmonies

Complementary

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



85, 12.225, 333.384



89, 12.170, 152.091

Rectangle

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



85, 12.225, 333.384



85, 12.225, 23.384



85, 12.225, 153.384



85, 12.225, 203.384

Sweetspot

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



85, 12.222, 333.386



98, 3.966, 332.850



84, 12.347, 300.565



52, 3.007, 332.923



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, 12.222, 333.386



92, 15.959, 333.528



85, 8.971, 0.424



45, 6.922, 333.344



40, 72.519, 342.055



8, 31.278, 339.410

Inverse Universe

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



85, 12.222, 333.386



92, 15.959, 333.528



89, 8.670, 178.656



45, 6.922, 333.344



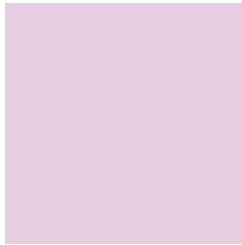
40, 72.519, 342.055



8, 31.278, 339.410

Previews

White Background



This preview shows how the CIELCh color 85, 12.225, 333.384 looks on a white background.

Color Contrast Check

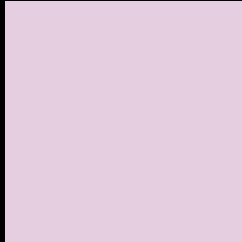
Large Text (above 18pt) WCAG AA × Fail

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, 12.225, 333.384 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, 12.225, 333.384

Background



This preview shows how black text looks on a background with the CIELCh color 85, 12.225, 333.384.



This preview shows how white text looks on a background with the CIELCh color 85, 12.225, 333.384.

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, 12.225, 333.384

Protanopia

85, 7.912, 293.401

Deuteranopia

85, 11.984, 332.088



Tritanopia
85, 11.852, 335.123

Trichromacy



Original Color
85, 12.225, 333.384

Protanomaly
85, 9.053, 311.506

Deuteranomaly
85, 11.984, 332.088

Tritanomaly
85, 11.852, 335.123

Monochromacy



Original Color
85, 12.225, 333.384

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 4.299, 332.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 12.225, 333.384 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(229, 206, 223)` looks like.

```
.text, #text, p{  
    color:rgb(229, 206, 223)  
}
```

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(229, 206, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 206, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 12.225, 333.384 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(229, 206, 223) }
```

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

```
.border{ border-color:rgb(229, 206, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 206, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 206, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 206, 223); box-shadow:4px 4px 4px 4px rgb(229, 206, 223) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 12.225, 333.384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 206, 223) }
```

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

```
.background{ background-color: rgb(229,  
206, 223) }
```

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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