

Converting Colors

CIELCh(85, 9.772, 20.082)

Have a look what the booklet for
CIELCh(85, 9.772, 20.082) contains.

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Color

CIELCh(85, 10.034, 20.107)

Conversions

Conversions Part 1

Format	Color
Hex	E9CECE
RGB	233, 206, 206
RGB Percent	91%, 81%, 81%
CMY	0.0858, 0.1917, 0.1917
CMYK	0.00, 0.12, 0.12, 0.09
HSL	0°, 38%, 86%
HSV	0°, 12%, 91%
XYZ	66.9001, 66.0070, 67.6835
YIQ	214.0730, 16.0920, 5.7240

Conversions

Conversions Part 2

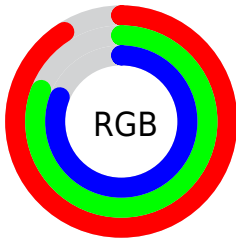
Format	Color
R _Y B	233, 206, 206
Decimal	15322830
CIE Lab	85.00, 9.42, 3.45
CIE LCh	85, 10.034, 20.107
Yxy	66.0070, 0.3335, 0.3291
Android (android.graphics.Color)	4293512910 (0xFFE9CECE)
YUV	214.0730, -3.9800, 16.5990
Hunter-Lab	81.2447, 4.8058, 7.4779

Details

The CIELCh color **85, 10.034, 20.107** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90, 9.317, 198.856**, 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, 9.870, 20.295** is the 20% darker color. If you saturate the color by 10%, you get **79, 19.445, 21.009**, and if you desaturate by 10%, it is **91, 1.319, 19.046**.

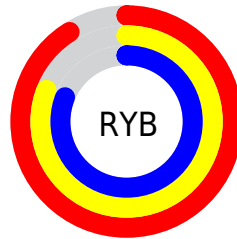
Distribution



Red (91%)

Green (81%)

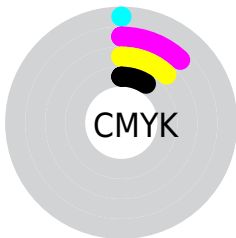
Blue (81%)



Red (91%)

Yellow (81%)

Blue (81%)

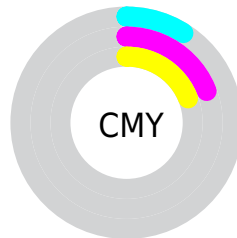


Cyan (0%)

Magenta (12%)

Yellow (12%)

Black (9%)



Cyan (9%)

Magenta (19%)

Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 10.034, 20.107 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, 10.034, 20.107 by changing the saturation by 10% instead.

 85, 10.034, 20.107

 85, 10.034, 20.107

 100, 10.034,
20.107

 75, 10.034, 20.107

 65, 10.034, 20.107

 55, 10.034, 20.107

 45, 10.034, 20.107

 35, 10.034, 20.107

 25, 10.034, 20.107

 15, 10.034, 20.107

 5, 10.034, 20.107

 0, 10.034, 20.107

85, 10.034, 20.107

85, 10.034, 20.107

79, 19.445, 21.009

91, 1.319, 19.046

73, 29.557, 22.141

98, 6.733, 199.088

67, 40.300, 23.617

98, 7.479, 199.021

62, 51.512, 25.547

57, 62.918, 28.040

54, 74.127, 31.147

51, 84.564, 34.708

49, 93.067, 38.052

49, 97.714, 40.001

Harmonies

Complementary

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



85, 10.034, 20.107



90, 9.317, 198.856

Rectangle

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



85, 10.034, 20.107



85, 10.034, 70.107



85, 10.034, 200.107



85, 10.034, 250.107

Sweetspot

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



85, 10.032, 20.119



98, 2.702, 19.356



86, 17.176, 325.063



52, 2.054, 19.457



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

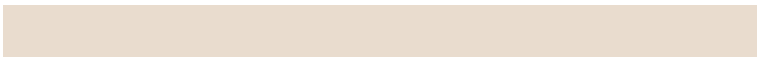
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 10.032, 20.119



90, 13.169, 20.324



88, 8.615, 73.953



46, 4.904, 19.950



38, 80.845, 39.987



7, 28.532, 22.723

Inverse Universe

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



90, 9.317, 198.856



98, 12.027, 198.717



87, 8.374, 257.011



48, 4.618, 198.982



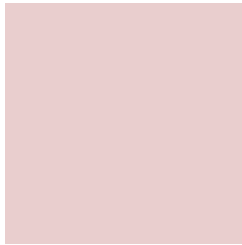
67, 38.743, 196.411



19, 16.591, 196.407

Previews

White Background



This preview shows how the CIELCh color 85, 10.034, 20.107 looks on a white background.

Color Contrast Check

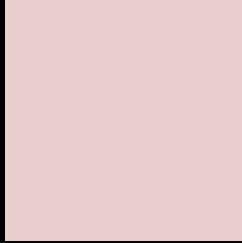
Large Text (above 18pt) WCAG AA × Fail

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, 10.034, 20.107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

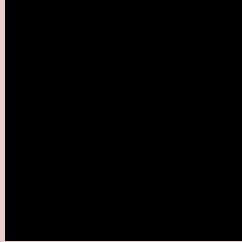
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 10.034, 20.107

Background



This preview shows how black text looks on a background with the CIELCh color 85, 10.034, 20.107.



This preview shows how white text looks on a background with the CIELCh color 85, 10.034, 20.107.

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, 10.034, 20.107

Protanopia

85, 2.416, 45.024

Deuteranopia

85, 11.175, 17.531



Tritanopia
85, 14.068, 343.873

Trichromacy



Original Color
85, 10.034, 20.107

Protanomaly
85, 5.168, 25.487

Deuteranomaly
85, 10.796, 17.405

Tritanomaly
85, 11.853, 354.077

Monochromacy



Original Color
85, 10.034, 20.107

Achromatopsia
86, 0.010, 296.813

Achromatomaly
85, 3.650, 19.517

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 10.034, 20.107 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(233, 206, 206)` looks like.

```
.text, #text, p{  
    color:rgb(233, 206, 206)  
}
```

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(233, 206, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 206, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 10.034, 20.107 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(233, 206, 206) }
```

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

```
.border{ border-color:rgb(233, 206, 206) }
```

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

Here you see how a box with a 4 pixel rgb(233, 206, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 206, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 206, 206);  
box-shadow:4px 4px 4px 4px rgb(233, 206,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 10.034, 20.107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 206, 206) }
```

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

```
.background{ background-color: rgb(233,  
206, 206) }
```

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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