

Converting Colors

CIELCh(93, 10.088, 84.694)

Have a look what the booklet for
CIELCh(93, 10.088, 84.694) contains.

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Color

CIELCh(93, 10.085, 85.731)

Conversions

Conversions Part 1

Format	Color
Hex	F5EAD8
RGB	245, 234, 216
RGB Percent	96%, 92%, 85%
CMY	0.0404, 0.0835, 0.1541
CMYK	0.00, 0.04, 0.12, 0.04
HSL	37°, 58%, 90%
HSV	37°, 12%, 96%
XYZ	79.2363, 82.9670, 76.5963
YIQ	235.2370, 12.3340, -3.2660

Conversions

Conversions Part 2

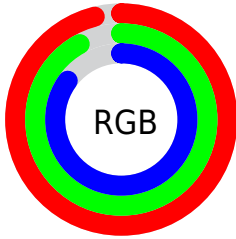
Format	Color
RYB	234, 245, 216
Decimal	16116440
CIELab	93.00, 0.75, 10.06
CIELCh	93, 10.085, 85.731
Yxy	82.9670, 0.3318, 0.3474
Android (android.graphics.Color)	4294306520 (0xFFFF5EAD8)
YUV	235.2370, -9.4838, 8.5622
Hunter-Lab	91.0862, -4.1230, 13.9022

Details

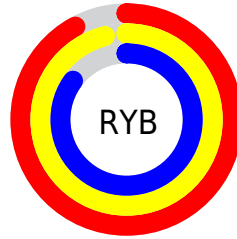
The CIELCh color **93, 10.085, 85.731** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90, 10.005, 268.938**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 10.142, 84.168** is the 20% darker color. If you saturate the color by 10%, you get **90, 18.865, 84.437**, and if you desaturate by 10%, it is **96, 1.544, 86.850**.

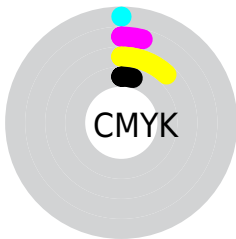
Distribution



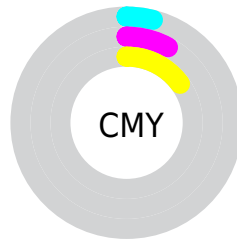
- Red (96%)
- Green (92%)
- Blue (85%)



- Red (92%)
- Yellow (96%)
- Blue (85%)



- Cyan (0%)
- Magenta (4%)
- Yellow (12%)
- Black (4%)



- Cyan (4%)
- Magenta (8%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 10.085, 85.731 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 93, 10.085, 85.731 by changing the saturation by 10% instead.

 93, 10.085, 85.731

 93, 10.085, 85.731

 100, 10.085,
85.731

 83, 10.085, 85.731

 73, 10.085, 85.731

 63, 10.085, 85.731

 53, 10.085, 85.731

 43, 10.085, 85.731

 33, 10.085, 85.731

 23, 10.085, 85.731

 13, 10.085, 85.731

 3, 10.085, 85.731

93, 10.085, 85.731

93, 10.085, 85.731

90, 18.865, 84.437

96, 1.544, 86.850

87, 27.874, 83.079

99, 2.948, 227.895

85, 37.078, 81.681

99, 3.564, 199.365

82, 46.386, 80.237

80, 55.603, 78.728

77, 64.351, 77.102

75, 71.959, 75.249

72, 77.454, 72.968

71, 80.108, 70.712

Harmonies

Complementary

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



93, 10.085, 85.731



90, 10.005, 268.938

Rectangle

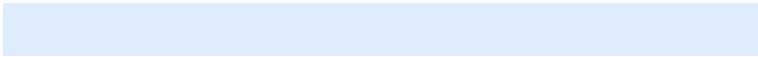
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 10.085, 85.731



93, 10.085, 135.731



93, 10.085, 265.731



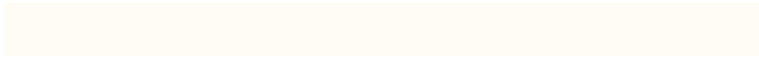
93, 10.085, 315.731

Sweetspot

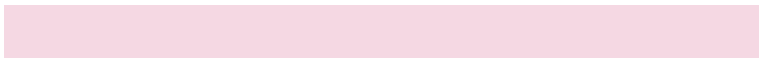
The Sweet Spot groups the original color and five complimentary colors.



93, 10.086, 85.745



99, 3.477, 86.689



89, 11.995, 351.522



53, 2.474, 86.609



0, 0.000, 0.000



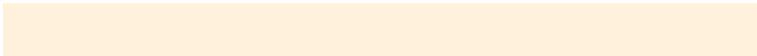
53, 0.007, 296.813

Same Dimension

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



93, 10.086, 85.745



96, 12.362, 85.465



96, 14.848, 113.820



50, 4.823, 86.044



55, 65.203, 71.316



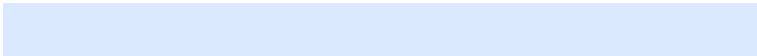
17, 25.233, 73.911

Inverse Universe

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



90, 10.005, 268.938



92, 12.236, 269.266



87, 15.252, 295.776



48, 4.796, 268.599



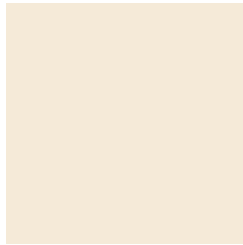
34, 71.605, 293.852



8, 27.378, 287.672

Previews

White Background



This preview shows how the CIELCh color 93, 10.085, 85.731 looks on a white background.

Color Contrast Check

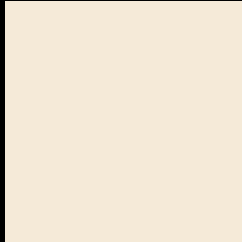
Large Text (above 18pt) WCAG AA × Fail

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 93, 10.085, 85.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

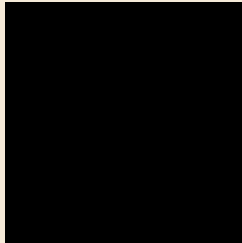
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

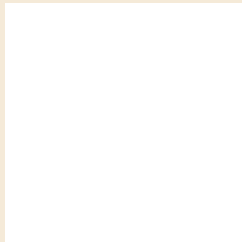
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 10.085, 85.731

Background



This preview shows how black text looks on a background with the CIELCh color 93, 10.085, 85.731.

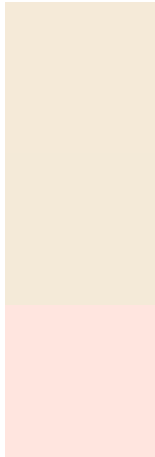


This preview shows how white text looks on a background with the CIELCh color 93, 10.085, 85.731.

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


93, 10.085, 85.731

Protanopia

93, 9.942, 87.692

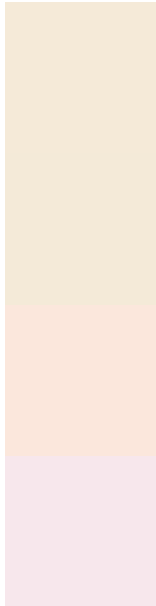
Deuteranopia

93, 10.028, 37.829



Tritanopia
93, 11.709, 327.710

Trichromacy



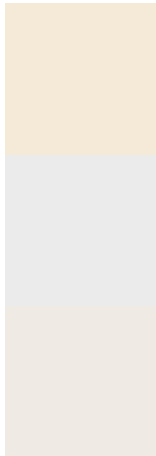
Original Color
93, 10.085, 85.731

Protanomaly
93, 9.942, 87.692

Deuteranomaly
93, 9.274, 57.227

Tritanomaly
93, 6.293, 355.620

Monochromacy



Original Color
93, 10.085, 85.731

Achromatopsia
93, 0.011, 296.813

Achromatomaly
93, 3.858, 87.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 10.085, 85.731 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(245, 234, 216)` looks like.

```
.text, #text, p{  
    color:rgb(245, 234, 216)  
}
```

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(245, 234, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 234, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 10.085, 85.731 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(245, 234, 216) }
```

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

```
.border{ border-color:rgb(245, 234, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 234, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 234, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 234, 216);  
box-shadow:4px 4px 4px 4px rgb(245, 234,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 10.085, 85.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 234, 216) }
```

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

```
.background{ background-color: rgb(245,  
234, 216) }
```

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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