

Converting Colors

CIELCh(94, 16.899, 82.193)

Have a look what the booklet for
CIELCh(94, 16.899, 82.193) contains.

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Color

CIElCh(94, 16.686, 82.153)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFEBCE |
| RGB | 255, 235, 206 |
| RGB Percent | 100%, 92%, 81% |
| CMY | 0.0000, 0.0777, 0.1915 |
| CMYK | 0.00, 0.08, 0.19, 0.00 |
| HSL | 36°, 100%, 90% |
| HSV | 36°, 19%, 100% |
| XYZ | 82.2219, 85.2715, 70.6240 |
| YIQ | 237.6740, 21.2290, -4.7790 |

Conversions

Conversions Part 2

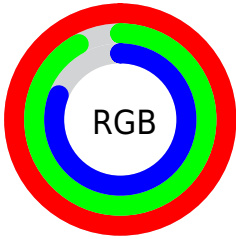
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 240, 255, 206 |
| Decimal | 16772046 |
| CIE Lab | 94.00, 2.28, 16.53 |
| CIE LCh | 94, 16.686, 82.153 |
| Yxy | 85.2715, 0.3453, 0.3581 |
| Android (android.graphics.Color) | 4294962126 (0xFFFFEBC6) |
| YUV | 237.6740, -15.6153, 15.1949 |
| Hunter-Lab | 92.3426, -2.6630, 19.2945 |

Details

The CIELCh color **94, 16.686, 82.153** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **89, 16.287, 267.696**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **74, 16.465, 81.208** is the 20% darker color. If you saturate the color by 10%, you get **91, 25.761, 81.018**, and if you desaturate by 10%, it is **97, 7.829, 83.659**.

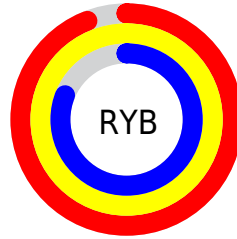
Distribution



Red (100%)

Green (92%)

Blue (81%)



Red (94%)

Yellow (100%)

Blue (81%)

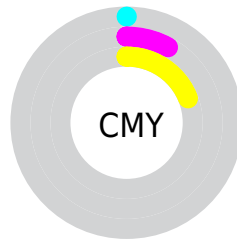


Cyan (0%)

Magenta (8%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 16.686, 82.153 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 94, 16.686, 82.153 by changing the saturation by 10% instead.

 94, 16.686, 82.153

 94, 16.686, 82.153

 100, 16.686,
82.153

 84, 16.686, 82.153

 74, 16.686, 82.153

 64, 16.686, 82.153

 54, 16.686, 82.153

 44, 16.686, 82.153

 34, 16.686, 82.153

 24, 16.686, 82.153

 14, 16.686, 82.153

 4, 16.686, 82.153

94, 16.686, 82.153

94, 16.686, 82.153

91, 25.761, 81.018

97, 7.829, 83.659

88, 35.125, 79.631

100, 0.012,
296.813

85, 44.684, 78.204

82, 54.285, 76.719

80, 63.614, 75.134

77, 72.077, 73.345

74, 78.720, 71.157

72, 82.711, 68.349

72, 83.008, 68.106

Harmonies

Complementary

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



94, 16.686, 82.153



89, 16.287, 267.696

Rectangle

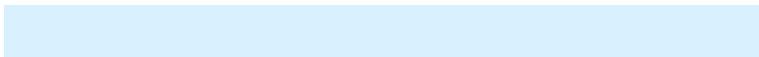
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 16.686, 82.153



94, 16.686, 132.153



94, 16.686, 262.153



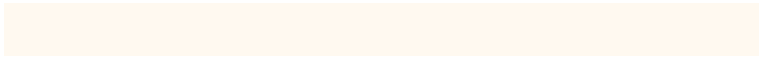
94, 16.686, 312.153

Sweetspot

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



94, 16.657, 82.366



98, 5.105, 84.042



87, 20.650, 350.217



52, 3.390, 83.965



0, 0.000, 0.000



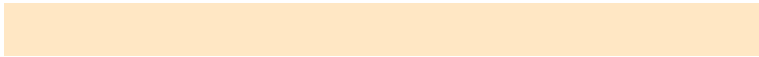
53, 0.007, 296.813

Same Dimension

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



94, 16.657, 82.366



93, 20.130, 81.852



99, 24.710, 111.833



52, 4.868, 83.615



55, 66.772, 68.755



18, 27.335, 71.273

Inverse Universe

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



89, 16.287, 267.696



87, 19.580, 268.368



85, 25.827, 295.315



50, 4.824, 266.200



36, 69.818, 292.097



10, 28.060, 286.328

Previews

White Background



This preview shows how the CIE LCh color 94, 16.686, 82.153 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 94, 16.686, 82.153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

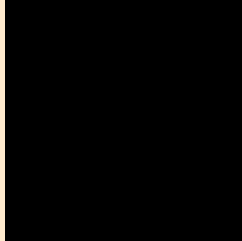
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 94, 16.686, 82.153

Background



This preview shows how black text looks on a background with the CIELCh color 94, 16.686, 82.153.

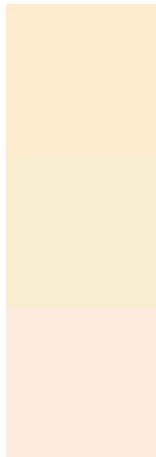


This preview shows how white text looks on a background with the CIELCh color 94, 16.686, 82.153.

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

94, 16.686, 82.153

Protanopia

94, 16.009, 92.651

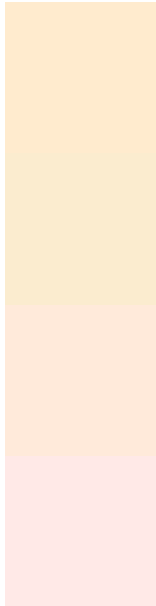
Deuteranopia

94, 9.242, 53.391



Tritanopia
94, 11.186, 340.111

Trichromacy



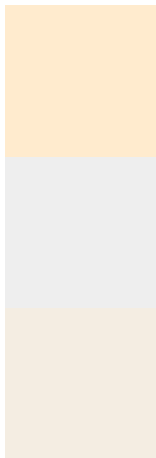
Original Color
94, 16.686, 82.153

Protanomaly
94, 15.896, 88.263

Deuteranomaly
94, 11.304, 66.111

Tritanomaly
94, 8.032, 27.185

Monochromacy



Original Color
94, 16.686, 82.153

Achromatopsia
94, 0.011, 296.813

Achromatomaly
94, 6.167, 85.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 16.686, 82.153 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(255, 235, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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(255, 235, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 16.686, 82.153 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(255, 235, 206) }
```

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

```
.border{ border-color:rgb(255, 235, 206) }
```

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

Here you see how a box with a 4 pixel rgb(255, 235, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 16.686, 82.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 206) }
```

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

```
.background{ background-color: rgb(255,  
235, 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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