

Converting Colors

CIELCh(100, 40.302, 47.479)

Have a look what the booklet for
CIELCh(100, 40.302, 47.479)
contains.

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Color

CIELCh(94, 19.680, 84.779)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBC8
RGB	255, 235, 200
RGB Percent	100%, 92%, 78%
CMY	0.0000, 0.0773, 0.2147
CMYK	0.00, 0.08, 0.21, 0.00
HSL	38°, 100%, 89%
HSV	38°, 21%, 100%
XYZ	81.9699, 85.2715, 66.9348
YIQ	236.9900, 23.1550, -6.6450

Conversions

Conversions Part 2

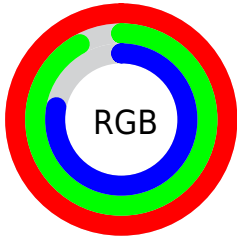
Format	Color
R_{YB}	231, 255, 200
Decimal	16772040
CIE _{Lab}	94.00, 1.79, 19.60
CIE _{LCh}	94, 19.680, 84.779
Yxy	85.2715, 0.3500, 0.3641
Android (android.graphics.Color)	4294962120 (0xFFFFEBC8)
YUV	236.9900, -18.2361, 15.7948
Hunter-Lab	92.3426, -3.1502, 21.6632

Details

The CIELCh color **94, 19.680, 84.779** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **87, 19.245, 272.112**, 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, 19.420, 85.088** is the 20% darker color. If you saturate the color by 10%, you get **91, 28.896, 84.787**, and if you desaturate by 10%, it is **97, 10.272, 87.447**.

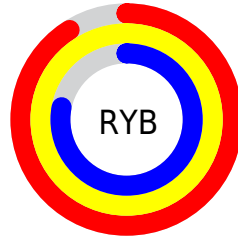
Distribution



Red (100%)

Green (92%)

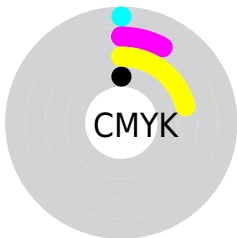
Blue (78%)



Red (91%)

Yellow (100%)

Blue (78%)

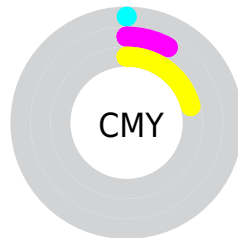


Cyan (0%)

Magenta (8%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 19.680, 84.779 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, 19.680, 84.779 by changing the saturation by 10% instead.

 94, 19.680, 84.779

 94, 19.680, 84.779

 100, 19.680,
84.779

 84, 19.680, 84.779

 74, 19.680, 84.779

 64, 19.680, 84.779

 54, 19.680, 84.779

 44, 19.680, 84.779

 34, 19.680, 84.779

 24, 19.680, 84.779

 14, 19.680, 84.779

 4, 19.680, 84.779

94, 19.680, 84.779

94, 19.680, 84.779

91, 28.896, 84.787

97, 10.272, 87.447

88, 38.486, 83.390

100, 1.291, 88.509

86, 48.148, 81.947

100, 0.012,
296.813

83, 57.669, 80.440

81, 66.651, 78.823

79, 74.395, 76.993

76, 79.911, 74.767

75, 82.528, 72.458

Harmonies

Complementary

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



94, 19.680, 84.779



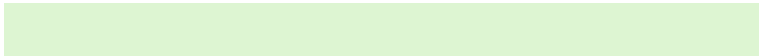
87, 19.245, 272.112

Rectangle

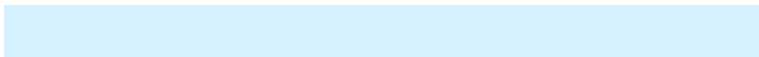
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 19.680, 84.779



94, 19.680, 134.779



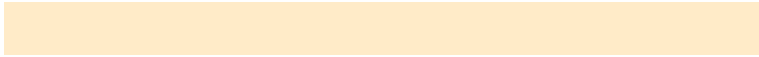
94, 19.680, 264.779



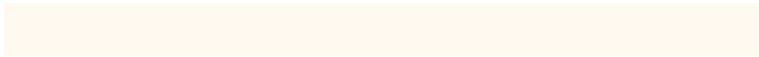
94, 19.680, 314.779

Sweetspot

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



94, 19.477, 86.142



98, 5.332, 88.121



86, 22.598, 353.665



52, 3.540, 88.044



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, 19.477, 86.142



93, 23.719, 85.534



98, 27.770, 113.742



52, 5.078, 87.694



57, 66.455, 73.048



19, 27.766, 75.789

Inverse Universe

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



87, 19.245, 272.112



85, 23.369, 272.925



83, 29.163, 297.340



50, 5.061, 270.240



34, 75.628, 295.135



9, 30.335, 289.764

Previews

White Background



This preview shows how the CIELCh color 94, 19.680, 84.779 looks on a white background.

Color Contrast Check

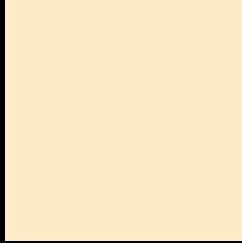
Large Text (above 18pt) WCAG AA × Fail

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, 19.680, 84.779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

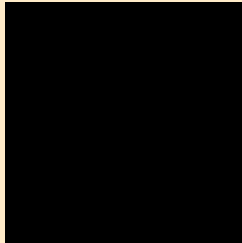
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 94, 19.680, 84.779

Background



This preview shows how black text looks on a background with the CIELCh color 94, 19.680, 84.779.

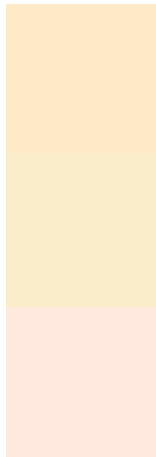


This preview shows how white text looks on a background with the CIELCh color 94, 19.680, 84.779.

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, 19.507, 85.818

Protanopia

94, 19.079, 93.782

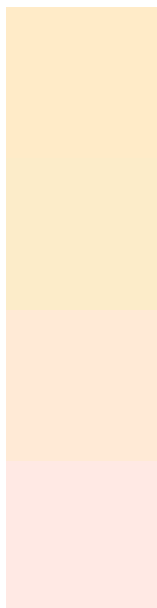
Deuteranopia

94, 9.861, 54.619



Tritanopia
94, 10.867, 342.193

Trichromacy



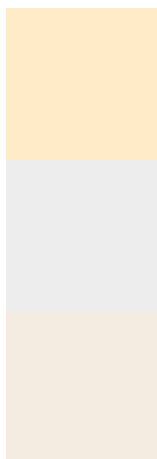
Original Color
94, 19.507, 85.818

Protanomaly
94, 18.937, 90.090

Deuteranomaly
94, 12.909, 72.090

Tritanomaly
94, 8.404, 37.576

Monochromacy



Original Color
94, 19.507, 85.818

Achromatopsia
94, 0.011, 296.813

Achromatomaly
94, 6.792, 84.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 19.680, 84.779 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 19.680, 84.779 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, 200) }
```

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

```
.border{ border-color:rgb(255, 235, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 19.680, 84.779 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, 200) }
```

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

```
.background{ background-color: rgb(255,  
235, 200) }
```

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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