

Converting Colors

CIELCh(96, 19.488, 30.336)

Have a look what the booklet for
CIELCh(96, 19.488, 30.336) contains.

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Color

CIELCh(94, 9.145, 42.940)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9E2
RGB	255, 233, 226
RGB Percent	100%, 91%, 89%
CMY	0.0000, 0.0860, 0.1135
CMYK	0.00, 0.09, 0.11, 0.00
HSL	15°, 100%, 94%
HSV	15°, 11%, 100%
XYZ	84.5299, 85.2715, 83.9939
YIQ	238.7800, 15.3590, 2.4870

Conversions

Conversions Part 2

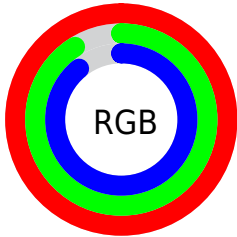
Format	Color
R _Y B	255, 235, 226
Decimal	16771554
CIE Lab	94.00, 6.69, 6.23
CIE LCh	94, 9.145, 42.940
Yxy	85.2715, 0.3331, 0.3360
Android (android.graphics.Color)	4294961634 (0xFFFFE9E2)
YUV	238.7800, -6.3005, 14.2249
Hunter-Lab	92.3426, 1.7984, 10.7102

Details

The CIELCh color **94, 9.145, 42.940** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96, 8.189, 225.131**, 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, 8.737, 41.649** is the 20% darker color. If you saturate the color by 10%, you get **89, 17.195, 43.709**, and if you desaturate by 10%, it is **99, 1.001, 43.786**.

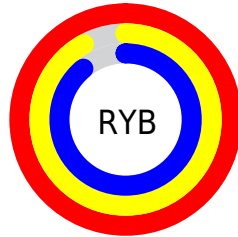
Distribution



Red (100%)

Green (91%)

Blue (89%)



Red (100%)

Yellow (92%)

Blue (89%)

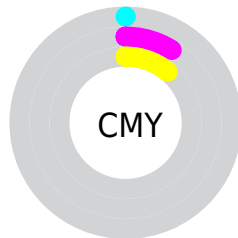


Cyan (0%)

Magenta (9%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 9.145, 42.940 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, 9.145, 42.940 by changing the saturation by 10% instead.

 94, 9.145, 42.940	 94, 9.145, 42.940
 100, 9.145, 42.940	 84, 9.145, 42.940
	 74, 9.145, 42.940
	 64, 9.145, 42.940
	 54, 9.145, 42.940
	 44, 9.145, 42.940
	 34, 9.145, 42.940
	 24, 9.145, 42.940
	 14, 9.145, 42.940
	 4, 9.145, 42.940

94, 9.145, 42.940

94, 9.145, 42.940

89, 17.195, 43.709

99, 1.001, 43.786

84, 26.318, 43.540

100, 0.012,
296.813

79, 36.181, 43.511

74, 46.783, 43.653

69, 58.045, 43.981

65, 69.736, 44.463

62, 81.305, 44.946

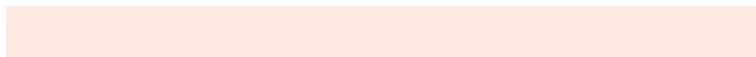
59, 91.519, 45.008

57, 98.057, 44.401

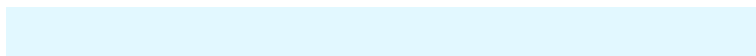
Harmonies

Complementary

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



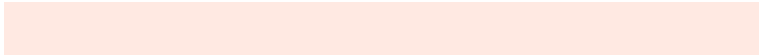
94, 9.145, 42.940



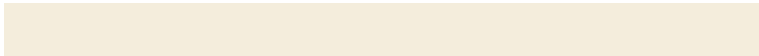
96, 8.189, 225.131

Rectangle

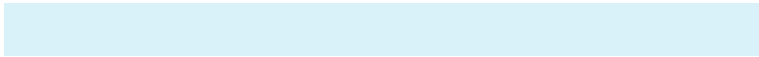
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 9.145, 42.940



94, 9.145, 92.940



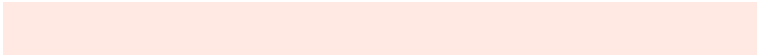
94, 9.145, 222.940



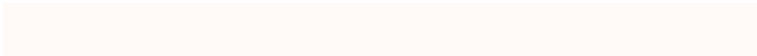
94, 9.145, 272.940

Sweetspot

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



94, 8.775, 43.969



98, 2.241, 44.071



93, 15.388, 332.433



52, 1.705, 44.099



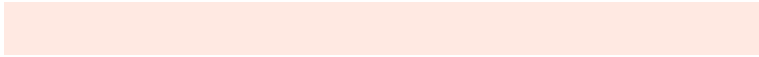
0, 0.000, 0.000



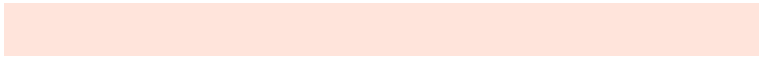
53, 0.007, 296.813

Same Dimension

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



94, 8.775, 43.969



93, 10.940, 43.895



97, 11.146, 94.705



50, 4.362, 44.018



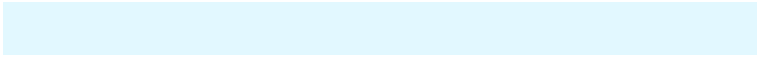
43, 78.493, 44.881



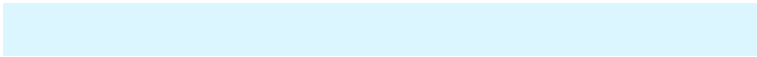
12, 29.361, 39.753

Inverse Universe

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



96, 8.189, 225.131



95, 10.032, 225.284



93, 11.222, 277.578



51, 4.121, 225.036



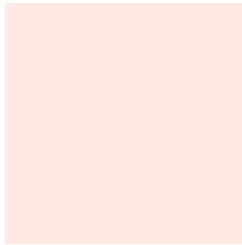
56, 36.568, 244.746



18, 16.410, 238.523

Previews

White Background



This preview shows how the CIELCh color 94, 9.145, 42.940 looks on a white background.

Color Contrast Check

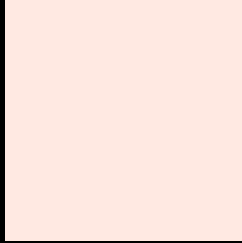
Large Text (above 18pt) WCAG AA × Fail

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 94, 9.145, 42.940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

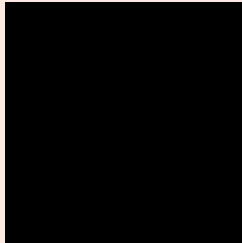
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

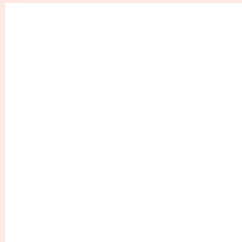
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 94, 9.145, 42.940

Background



This preview shows how black text looks on a background with the CIELCh color 94, 9.145, 42.940.

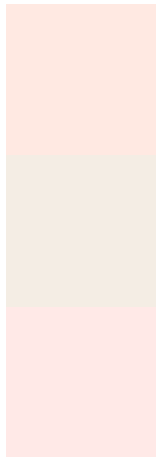


This preview shows how white text looks on a background with the CIELCh color 94, 9.145, 42.940.

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, 8.796, 43.871

Protanopia

94, 5.243, 80.971

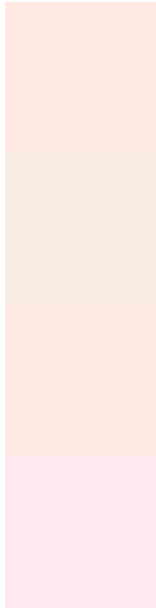
Deuteranopia

94, 8.032, 27.185



Tritanopia
94, 11.519, 338.149

Trichromacy



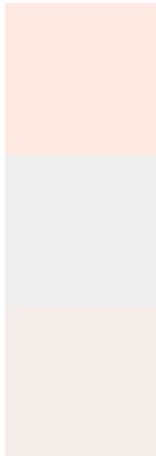
Original Color
94, 8.796, 43.871

Protanomaly
94, 6.326, 66.303

Deuteranomaly
94, 8.250, 34.222

Tritanomaly
94, 8.999, 356.460

Monochromacy



Original Color
94, 8.796, 43.871

Achromatopsia
94, 0.011, 296.813

Achromatomaly
94, 3.235, 47.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 9.145, 42.940 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, 233, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 226)  
}
```

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, 233, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 9.145, 42.940 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, 233, 226) }
```

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

```
.border{ border-color:rgb(255, 233, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 9.145, 42.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 226) }
```

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

```
.background{ background-color: rgb(255,  
233, 226) }
```

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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