

Converting Colors

CIELCh(100, 34.861, 28.375)

Have a look what the booklet for
CIELCh(100, 34.861, 28.375)
contains.

CIELCh(94, 9.372, 45.776)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(94, 9.372, 45.776)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9E1
RGB	255, 233, 225
RGB Percent	100%, 91%, 88%
CMY	0.0000, 0.0858, 0.1172
CMYK	0.00, 0.09, 0.12, 0.00
HSL	16°, 100%, 94%
HSV	16°, 12%, 100%
XYZ	84.4465, 85.2715, 83.3277
YIQ	238.6660, 15.6800, 2.1760

Conversions

Conversions Part 2

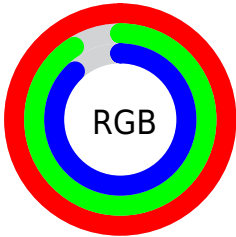
Format	Color
R _Y B	255, 236, 225
Decimal	16771553
CIE Lab	94.00, 6.54, 6.72
CIE LCh	94, 9.372, 45.776
Yxy	85.2715, 0.3337, 0.3370
Android (android.graphics.Color)	4294961633 (0xFFFFE9E1)
YUV	238.6660, -6.7373, 14.3249
Hunter-Lab	92.3426, 1.6373, 11.1380

Details

The CIELCh color **94, 9.372, 45.776** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96, 8.390, 228.450**, 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, 8.968, 44.786** is the 20% darker color. If you saturate the color by 10%, you get **89, 17.337, 46.576**, and if you desaturate by 10%, it is **99, 1.264, 47.047**.

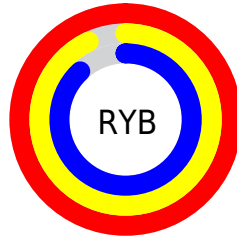
Distribution



Red (100%)

Green (91%)

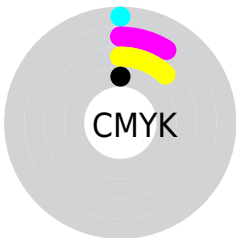
Blue (88%)



Red (100%)

Yellow (93%)

Blue (88%)

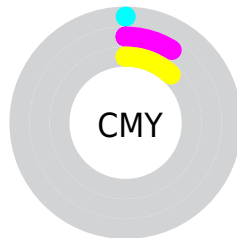


Cyan (0%)

Magenta (9%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 9.372, 45.776 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, 9.372, 45.776 by changing the saturation by 10% instead.



94, 9.372, 45.776

94, 9.372, 45.776

89, 17.337, 46.576

99, 1.264, 47.047

84, 26.372, 46.261

100, 0.012,
296.813

79, 36.129, 46.068

74, 46.608, 46.022

70, 57.733, 46.132

66, 69.270, 46.357

63, 80.656, 46.535

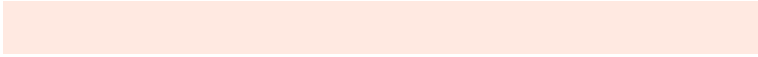
60, 90.648, 46.246

58, 96.831, 45.394

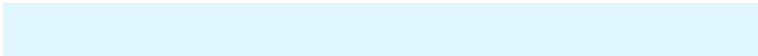
Harmonies

Complementary

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



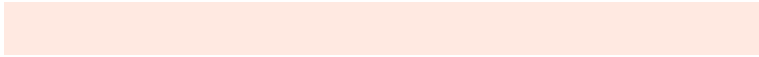
94, 9.372, 45.776



96, 8.390, 228.450

Rectangle

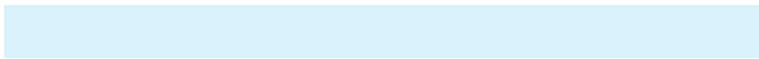
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 9.372, 45.776



94, 9.372, 95.776



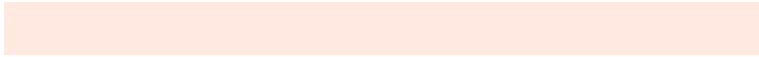
94, 9.372, 225.776



94, 9.372, 275.776

Sweetspot

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



94, 8.987, 46.970



98, 2.975, 47.212



93, 15.516, 333.733



52, 2.121, 47.206



0, 0.000, 0.000



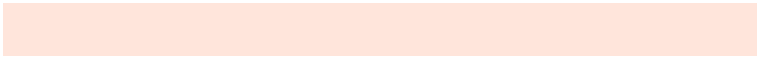
53, 0.007, 296.813

Same Dimension

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



94, 8.987, 46.970



93, 10.836, 46.877



98, 11.911, 96.929



50, 4.323, 47.058



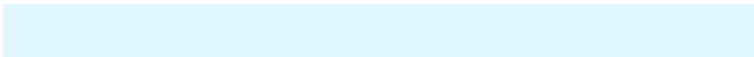
44, 77.497, 45.915



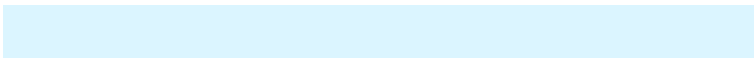
13, 28.991, 41.504

Inverse Universe

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



96, 8.390, 228.450



95, 9.969, 228.614



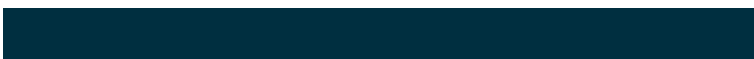
92, 12.034, 279.822



51, 4.092, 228.306



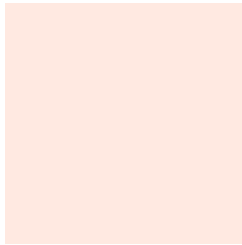
55, 37.698, 250.077



17, 16.718, 243.419

Previews

White Background



This preview shows how the CIELCh color 94, 9.372, 45.776 looks on a white background.

Color Contrast Check

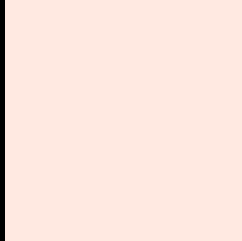
Large Text (above 18pt) WCAG AA × Fail

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, 9.372, 45.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

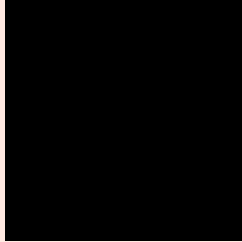
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

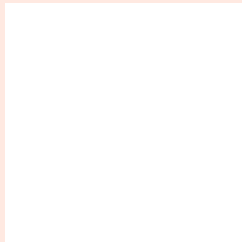
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 94, 9.372, 45.776

Background



This preview shows how black text looks on a background with the CIELCh color 94, 9.372, 45.776.

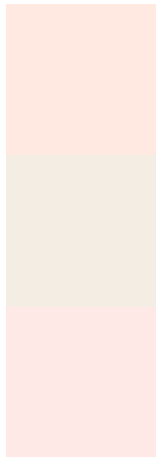


This preview shows how white text looks on a background with the CIELCh color 94, 9.372, 45.776.

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, 9.029, 46.793

Protanopia

94, 5.701, 83.388

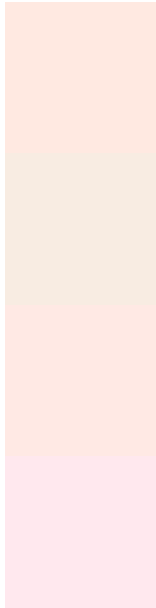
Deuteranopia

94, 8.125, 30.751



Tritanopia
94, 11.519, 338.149

Trichromacy



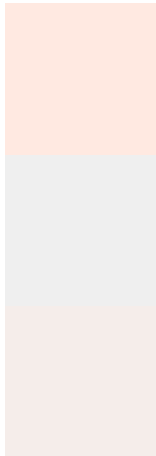
Original Color
94, 9.029, 46.793

Protanomaly
94, 6.713, 69.245

Deuteranomaly
94, 8.404, 37.576

Tritanomaly
94, 8.815, 359.530

Monochromacy



Original Color
94, 9.029, 46.793

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, 9.372, 45.776 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 9.372, 45.776 is called "border". The border property can be set on classes, ids or directly on the HTML element.

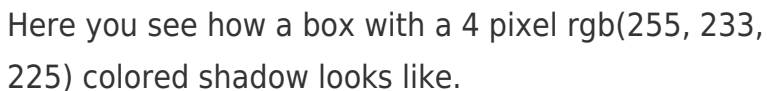
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 233, 225) }
```

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

```
.border{ border-color:rgb(255, 233, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 233, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 233, 225); box-shadow:4px 4px 4px 4px rgb(255, 233, 225) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 9.372, 45.776 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
233, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor