

Converting Colors

CIELCh(94, 44.638, 97.942)

Have a look what the booklet for
CIELCh(94, 44.638, 97.942) contains.

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Color

CIELCh(94, 44.456, 98.344)

Conversions

Conversions Part 1

Format	Color
Hex	FFEF98
RGB	255, 239, 152
RGB Percent	100%, 94%, 60%
CMY	0.0000, 0.0627, 0.4039
CMYK	0.00, 0.06, 0.40, 0.00
HSL	51°, 100%, 80%
HSV	51°, 40%, 100%
XYZ	77.7845, 85.2715, 42.0706
YIQ	233.8660, 37.4630, -23.6650

Conversions

Conversions Part 2

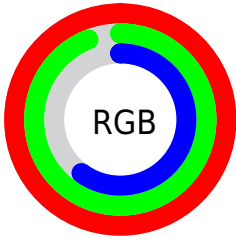
Format	Color
R _Y B	171, 255, 152
Decimal	16773016
CIE Lab	94.00, -6.45, 43.99
CIE LCh	94, 44.456, 98.344
Yxy	85.2715, 0.3792, 0.4157
Android (android.graphics.Color)	4294963096 (0xFFFFEF98)
YUV	233.8660, -40.3599, 18.5345
Hunter-Lab	92.3426, -11.2405, 37.6278

Details

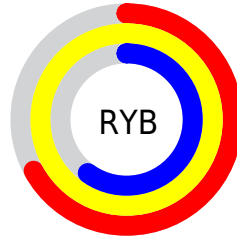
The CIELCh color **94, 44.456, 98.344** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **71, 47.574, 289.093**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 24.233, 108.340**, and **74, 44.607, 98.083** is the 20% darker color. If you saturate the color by 10%, you get **93, 55.050, 97.181**, and if you desaturate by 10%, it is **95, 33.549, 99.526**.

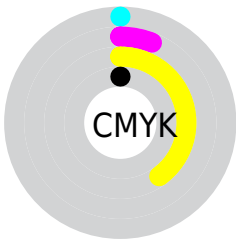
Distribution



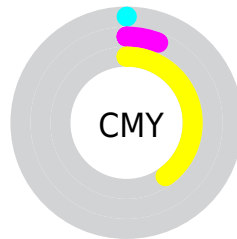
- Red (100%)
- Green (94%)
- Blue (60%)



- Red (67%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (6%)
- Yellow (40%)
- Black (0%)



- Cyan (0%)
- Magenta (6%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 44.456, 98.344 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, 44.456, 98.344 by changing the saturation by 10% instead.

 94, 44.456, 98.344

 94, 44.456, 98.344

 100, 44.456,
98.344

 84, 44.456, 98.344

 74, 44.456, 98.344

 64, 44.456, 98.344

 54, 44.456, 98.344

 44, 44.456, 98.344

 34, 44.456, 98.344

 24, 44.456, 98.344

 14, 44.456, 98.344

 4, 44.456, 98.344

94, 44.456, 98.344

94, 44.456, 98.344

93, 55.050, 97.181

95, 33.549, 99.526

91, 65.024, 96.014

97, 22.510,
100.682

90, 73.893, 94.862

98, 11.444,
101.810

89, 80.967, 93.720

100, 0.413,
102.541

88, 85.475, 92.565

87, 87.240, 91.408

100, 0.012,
296.813

Harmonies

Complementary

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



94, 44.456, 98.344



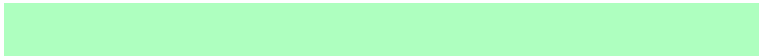
71, 47.574, 289.093

Rectangle

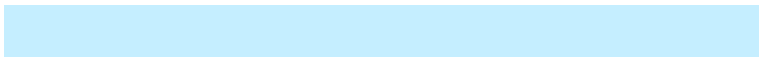
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 44.456, 98.344



94, 44.456, 148.344



94, 44.456, 278.344



94, 44.456, 328.344

Sweetspot

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



94, 44.456, 98.355



98, 13.229, 101.631



74, 41.198, 10.882



52, 8.778, 101.485



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, 44.456, 98.355



93, 52.564, 97.461



96, 53.022, 120.810



52, 6.263, 101.908



67, 70.370, 91.630



23, 31.488, 93.265

Inverse Universe

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



71, 47.574, 289.093



65, 57.346, 290.738



70, 57.562, 305.812



49, 6.355, 284.093



26, 98.698, 303.803



5, 39.189, 298.773

Previews

White Background



This preview shows how the CIE LCh color 94, 44.456, 98.344 looks on a white background.

Color Contrast Check

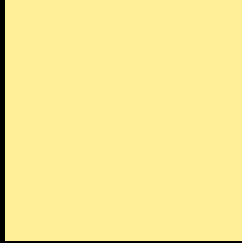
Large Text (above 18pt) WCAG AA × Fail

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, 44.456, 98.344 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

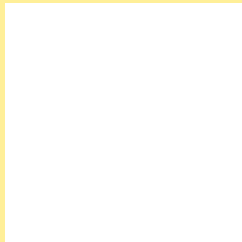
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 94, 44.456, 98.344

Background



This preview shows how black text looks on a background with the CIELCh color 94, 44.456, 98.344.



This preview shows how white text looks on a background with the CIELCh color 94, 44.456, 98.344.

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, 44.456, 98.344

Protanopia

94, 34.284, 96.239

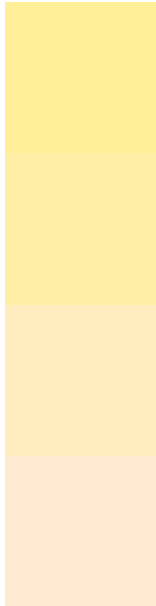
Deuteranopia

94, 12.909, 72.090



Tritanopia
94, 9.699, 348.074

Trichromacy



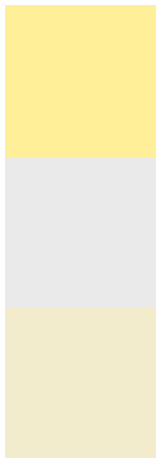
Original Color
94, 44.456, 98.344

Protanomaly
94, 37.728, 96.912

Deuteranomaly
94, 24.187, 90.752

Tritanomaly
94, 15.311, 79.783

Monochromacy



Original Color
94, 44.456, 98.344

Achromatopsia
93, 0.011, 296.813

Achromatomaly
93, 16.560, 101.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 44.456, 98.344 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, 239, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 152)  
}
```

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, 239, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 44.456, 98.344 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, 239, 152) }
```

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

```
.border{ border-color:rgb(255, 239, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 44.456, 98.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 152) }
```

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

```
.background{ background-color: rgb(255,  
239, 152) }
```

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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