

Converting Colors

CIELCh(94, 7.833, 159.502)

Have a look what the booklet for
CIELCh(94, 7.833, 159.502) contains.

CIELCh(94, 7.952, 158.699)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(94, 7.952, 158.699)

Conversions

Conversions Part 1

Format	Color
Hex	E1F2E8
RGB	225, 242, 232
RGB Percent	88%, 95%, 91%
CMY	0.1180, 0.0513, 0.0905
CMYK	0.07, 0.00, 0.04, 0.05
HSL	145°, 39%, 92%
HSV	145°, 7%, 95%
XYZ	77.3078, 85.2715, 88.6680
YIQ	235.7770, -6.9220, -6.7140

Conversions

Conversions Part 2

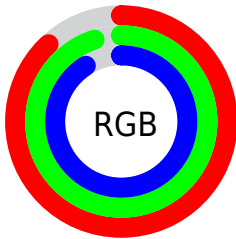
Format	Color
R _Y B	225, 237, 242
Decimal	14807784
CIE Lab	94.00, -7.41, 2.89
CIE LCh	94, 7.952, 158.699
Yxy	85.2715, 0.3077, 0.3394
Android (android.graphics.Color)	4292997864 (0xFFE1F2E8)
YUV	235.7770, -1.8621, -9.4514
Hunter-Lab	92.3426, -12.1621, 7.7092

Details

The CIELCh color **94, 7.952, 158.699** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91, 8.013, 339.665**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **74, 8.085, 156.892** is the 20% darker color. If you saturate the color by 10%, you get **92, 19.319, 157.813**, and if you desaturate by 10%, it is **96, 3.358, 339.269**.

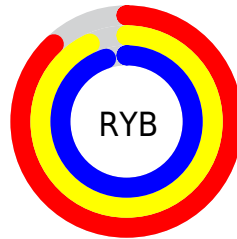
Distribution



Red (88%)

Green (95%)

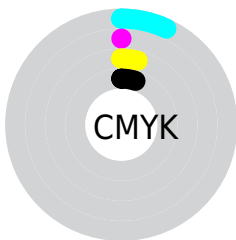
Blue (91%)



Red (88%)

Yellow (93%)

Blue (95%)

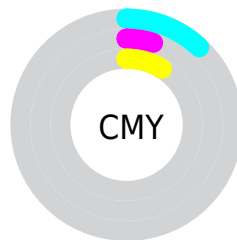


Cyan (7%)

Magenta (0%)

Yellow (4%)

Black (5%)



Cyan (12%)

Magenta (5%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 7.952, 158.699 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, 7.952, 158.699 by changing the saturation by 10% instead.

94, 7.952, 158.699

94, 7.952, 158.699

100, 7.952,
158.699

84, 7.952, 158.699

74, 7.952, 158.699

64, 7.952, 158.699

54, 7.952, 158.699

44, 7.952, 158.699

34, 7.952, 158.699

24, 7.952, 158.699

14, 7.952, 158.699

4, 7.952, 158.699

94, 7.952, 158.699

94, 7.952, 158.699

92, 19.319,
157.813

96, 3.358, 339.269

97, 8.148, 324.687

90, 30.599,
156.843

89, 41.630,
155.745

88, 52.218,
154.493

86, 62.160,
153.062

86, 71.264,
151.431

85, 79.374,
149.590

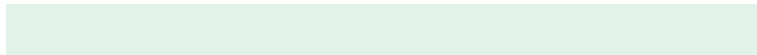
85, 86.407,
147.550

■ 84, 92.375,
145.359

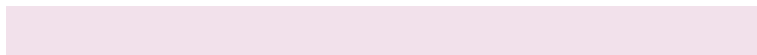
Harmonies

Complementary

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



94, 7.952, 158.699



91, 8.013, 339.665

Rectangle

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



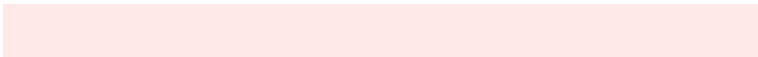
94, 7.952, 158.699



94, 7.952, 208.699



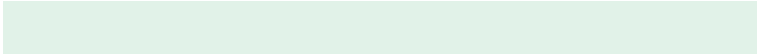
94, 7.952, 338.699



94, 7.952, 28.699

Sweetspot

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



94, 7.954, 158.695



100, 2.351, 159.223



95, 9.065, 125.167



53, 1.336, 159.240



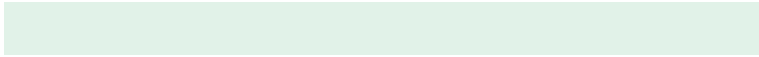
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



94, 7.954, 158.695



98, 9.453, 158.608



94, 5.992, 190.707



49, 6.390, 158.482



65, 75.749, 145.138



20, 30.573, 148.826

Inverse Universe

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



91, 8.013, 339.665



95, 9.528, 339.750



91, 6.214, 11.630



47, 6.445, 339.873



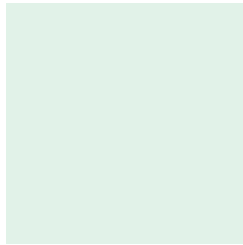
40, 67.947, 353.895



9, 30.489, 349.085

Previews

White Background



This preview shows how the CIELCh color 94, 7.952, 158.699 looks on a white background.

Color Contrast Check

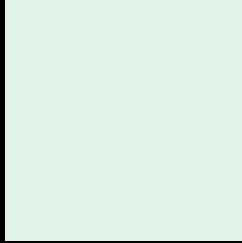
Large Text (above 18pt) WCAG AA × Fail

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, 7.952, 158.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

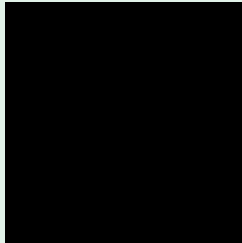
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

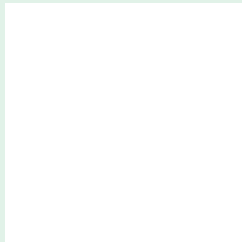
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 94, 7.952, 158.699

Background



This preview shows how black text looks on a background with the CIELCh color 94, 7.952, 158.699.

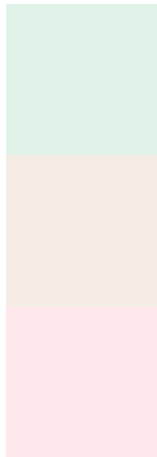


This preview shows how white text looks on a background with the CIELCh color 94, 7.952, 158.699.

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, 7.952, 158.699

Protanopia

94, 4.586, 70.903

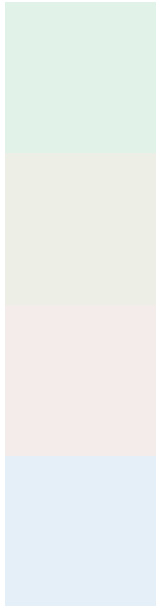
Deuteranopia

94, 8.429, 9.416



Tritanopia
94, 9.118, 273.495

Trichromacy



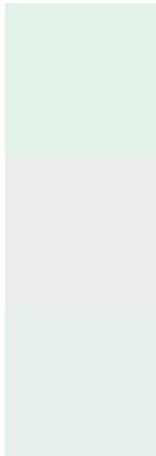
Original Color
94, 7.952, 158.699

Protanomaly
94, 4.120, 114.821

Deuteranomaly
94, 3.028, 39.185

Tritanomaly
94, 5.546, 247.401

Monochromacy



Original Color
94, 7.952, 158.699

Achromatopsia
93, 0.011, 296.813

Achromatomaly
94, 2.633, 163.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 7.952, 158.699 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(225, 242, 232)` looks like.

```
.text, #text, p{  
    color:rgb(225, 242, 232)  
}
```

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(225, 242, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 242, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 7.952, 158.699 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(225, 242, 232) }
```

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

```
.border{ border-color:rgb(225, 242, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 242, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 242, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 242, 232);  
box-shadow:4px 4px 4px 4px rgb(225, 242,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 7.952, 158.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 242, 232) }
```

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

```
.background{ background-color: rgb(225,  
242, 232) }
```

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