

Converting Colors

CIELCh(93, 7.770, 117.770)

Have a look what the booklet for
CIELCh(93, 7.770, 117.770) contains.

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Color

CIELCh(93, 7.852, 120.167)

Conversions

Conversions Part 1

Format	Color
Hex	E9EDDE
RGB	233, 237, 222
RGB Percent	91%, 93%, 87%
CMY	0.0872, 0.0715, 0.1304
CMYK	0.02, 0.00, 0.06, 0.07
HSL	76°, 29%, 90%
HSV	76°, 6%, 93%
XYZ	76.8875, 82.9670, 80.8967
YIQ	234.0940, 2.4310, -5.5130

Conversions

Conversions Part 2

Format	Color
RYB	222, 237, 226
Decimal	15330782
CIELab	93.00, -3.95, 6.79
CIELCh	93, 7.852, 120.167
Yxy	82.9670, 0.3194, 0.3446
Android (android.graphics.Color)	4293520862 (0xFFE9EDDE)
YUV	234.0940, -5.9623, -0.9594
Hunter-Lab	91.0862, -8.7260, 11.1029

Details

The CIELCh color **93, 7.852, 120.167** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89, 7.969, 300.939**, 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 **73, 7.730, 120.825** is the 20% darker color. If you saturate the color by 10%, you get **92, 20.238, 119.556**, and if you desaturate by 10%, it is **94, 4.559, 300.757**.

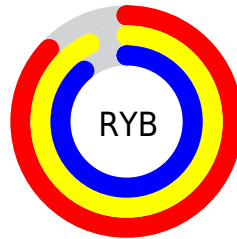
Distribution



Red (91%)

Green (93%)

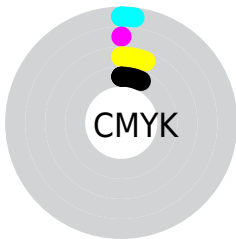
Blue (87%)



Red (87%)

Yellow (93%)

Blue (89%)

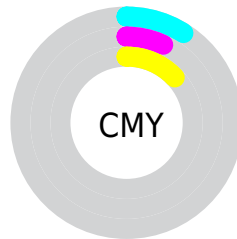


Cyan (2%)

Magenta (0%)

Yellow (6%)

Black (7%)



Cyan (9%)

Magenta (7%)

Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 7.852, 120.167 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 93, 7.852, 120.167 by changing the saturation by 10% instead.

 93, 7.852, 120.167

 93, 7.852, 120.167

 100, 7.852,
120.167

 83, 7.852, 120.167

 73, 7.852, 120.167

 63, 7.852, 120.167

 53, 7.852, 120.167

 43, 7.852, 120.167

 33, 7.852, 120.167

 23, 7.852, 120.167

 13, 7.852, 120.167

 3, 7.852, 120.167

93, 7.852, 120.167

93, 7.852, 120.167

92, 20.238,
119.556

94, 4.559, 300.757

91, 32.511,
118.931

95, 9.894, 308.445

90, 44.551,
118.320

95, 10.777,
319.694

90, 56.177,
117.757

96, 11.381,
324.810

89, 67.117,
117.291

88, 76.974,
116.993

88, 85.222,
116.960

87, 91.299,
117.301

■ 87, 94.882,
118.093

Harmonies

Complementary

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



93, 7.852, 120.167



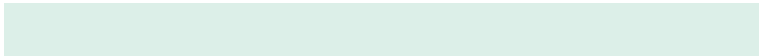
89, 7.969, 300.939

Rectangle

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



93, 7.852, 120.167



93, 7.852, 170.167



93, 7.852, 300.167



93, 7.852, 350.167

Sweetspot

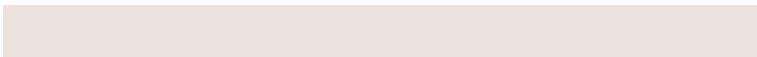
The Sweet Spot groups the original color and five complimentary colors.



93, 7.854, 120.176



100, 2.625, 120.448



91, 4.481, 46.992



53, 1.492, 120.455



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 7.854, 120.176



99, 10.534, 120.071



92, 8.797, 137.551



49, 6.992, 119.983



68, 78.259, 118.219



20, 31.620, 117.573

Inverse Universe

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



89, 7.969, 300.939



94, 10.716, 301.052



90, 8.846, 318.053



45, 7.130, 301.148



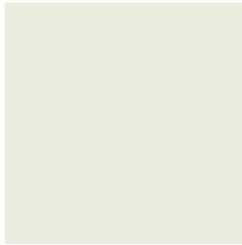
24, 100.944, 307.934



3, 36.500, 304.204

Previews

White Background



This preview shows how the CIE LCh color 93, 7.852, 120.167 looks on a white background.

Color Contrast Check

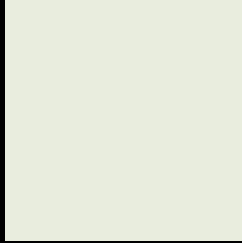
Large Text (above 18pt) WCAG AA × Fail

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 93, 7.852, 120.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

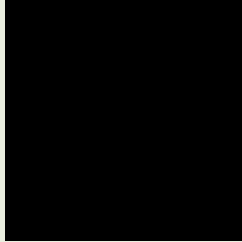
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

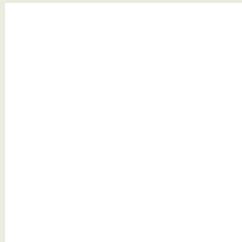
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 7.852, 120.167

Background



This preview shows how black text looks on a background with the CIELCh color 93, 7.852, 120.167.

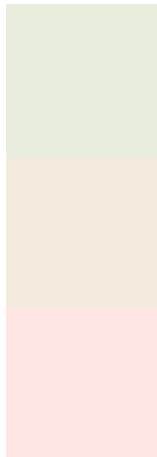


This preview shows how white text looks on a background with the CIELCh color 93, 7.852, 120.167.

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

93, 7.852, 120.167

Protanopia

93, 7.751, 87.439

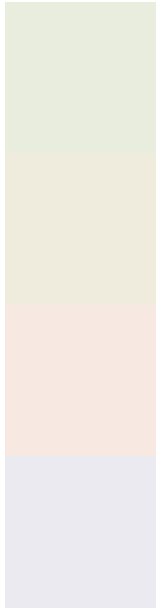
Deuteranopia

93, 9.533, 26.163



Tritanopia
93, 9.999, 300.884

Trichromacy



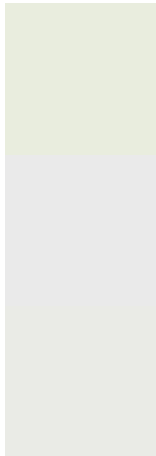
Original Color
93, 7.852, 120.167

Protanomaly
93, 7.328, 98.139

Deuteranomaly
93, 6.521, 53.074

Tritanomaly
93, 3.130, 296.887

Monochromacy



Original Color
93, 7.852, 120.167

Achromatopsia
93, 0.011, 296.813

Achromatomaly
93, 2.594, 117.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 7.852, 120.167 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(233, 237, 222)` looks like.

```
.text, #text, p{  
    color:rgb(233, 237, 222)  
}
```

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(233, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 237, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 7.852, 120.167 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(233, 237, 222) }
```

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

```
.border{ border-color:rgb(233, 237, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 237, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(233, 237,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 7.852, 120.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 237, 222) }
```

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

```
.background{ background-color: rgb(233,  
237, 222) }
```

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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