

Converting Colors

CIELCh(91, 4.943, 94.081)

Have a look what the booklet for
CIELCh(91, 4.943, 94.081) contains.

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Color

CIELCh(91, 4.854, 92.388)

Conversions

Conversions Part 1

Format	Color
Hex	E9E5DC
RGB	233, 229, 220
RGB Percent	91%, 90%, 86%
CMY	0.0865, 0.1022, 0.1375
CMYK	0.00, 0.02, 0.06, 0.09
HSL	42°, 23%, 89%
HSV	42°, 6%, 91%
XYZ	74.4979, 78.4833, 78.8911
YIQ	229.1700, 5.2730, -1.9510

Conversions

Conversions Part 2

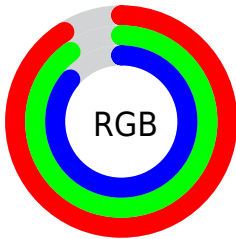
Format	Color
R_{YB}	226, 233, 220
Decimal	15328732
CIE Lab	91.00, -0.20, 4.85
CIE LCh	91, 4.854, 92.388
Yxy	78.4833, 0.3213, 0.3385
Android (android.graphics.Color)	4293518812 (0xFFE9E5DC)
YUV	229.1700, -4.5208, 3.3589
Hunter-Lab	88.5908, -4.9294, 9.2151

Details

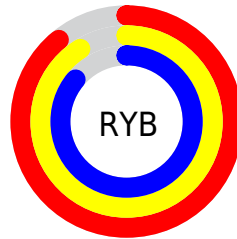
The CIELCh color **91, 4.854, 92.388** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 4.875, 273.896**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 5.015, 96.414** is the 20% darker color. If you saturate the color by 10%, you get **89, 13.700, 91.191**, and if you desaturate by 10%, it is **93, 3.827, 273.739**.

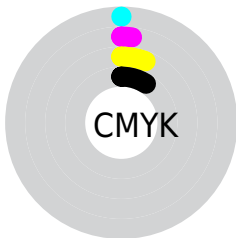
Distribution



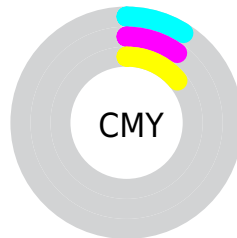
- Red (91%)
- Green (90%)
- Blue (86%)



- Red (89%)
- Yellow (91%)
- Blue (86%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 4.854, 92.388 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 91, 4.854, 92.388 by changing the saturation by 10% instead.

91, 4.854, 92.388

91, 4.854, 92.388

100, 4.854, 92.388

81, 4.854, 92.388

71, 4.854, 92.388

61, 4.854, 92.388

51, 4.854, 92.388

41, 4.854, 92.388

31, 4.854, 92.388

21, 4.854, 92.388

11, 4.854, 92.388

1, 4.854, 92.388

91, 4.854, 92.388

91, 4.854, 92.388

89, 13.700, 91.191

93, 3.827, 273.739

86, 22.696, 89.899

95, 6.919, 260.010

84, 31.809, 88.564

97, 6.373, 220.713

82, 40.964, 87.189

98, 7.541, 199.016

80, 50.011, 85.769

78, 58.669, 84.286

76, 66.445, 82.691

74, 72.582, 80.887

72, 76.217, 78.714

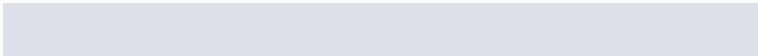
Harmonies

Complementary

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



91, 4.854, 92.388



89, 4.875, 273.896

Rectangle

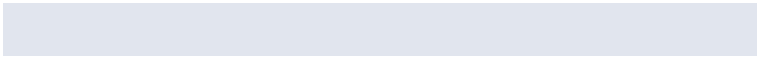
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 4.854, 92.388



91, 4.854, 142.388



91, 4.854, 272.388



91, 4.854, 322.388

Sweetspot

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



91, 4.855, 92.413



99, 1.860, 92.758



89, 5.172, 355.232



53, 1.057, 92.762



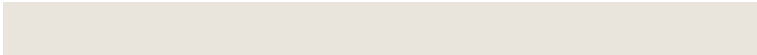
0, 0.000, 0.000



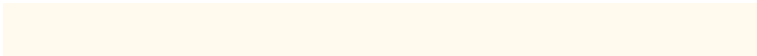
53, 0.007, 296.813

Same Dimension

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



91, 4.855, 92.413



98, 6.566, 92.244



92, 6.760, 116.963



48, 3.987, 92.180



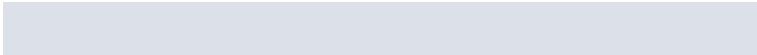
57, 63.989, 78.132



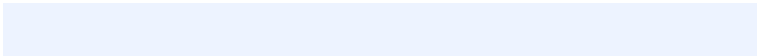
16, 23.719, 81.021

Inverse Universe

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



89, 4.875, 273.896



96, 6.587, 274.079



88, 6.857, 297.750



47, 3.999, 274.148



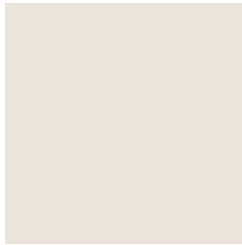
30, 78.613, 297.933



6, 27.723, 290.142

Previews

White Background



This preview shows how the CIELCh color 91, 4.854, 92.388 looks on a white background.

Color Contrast Check

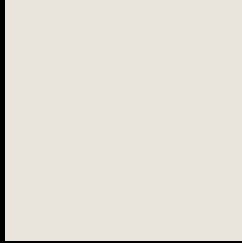
Large Text (above 18pt) WCAG AA × Fail

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 91, 4.854, 92.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

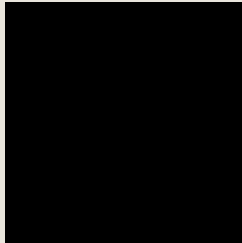
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

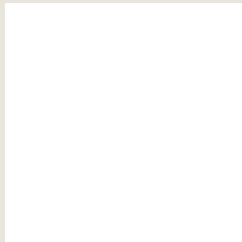
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 4.854, 92.388

Background



This preview shows how black text looks on a background with the CIELCh color 91, 4.854, 92.388.

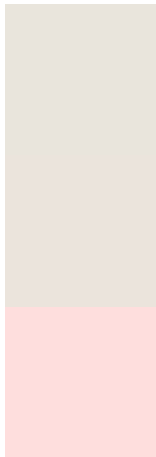


This preview shows how white text looks on a background with the CIELCh color 91, 4.854, 92.388.

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

91, 4.854, 92.388

Protanopia

91, 4.833, 78.066

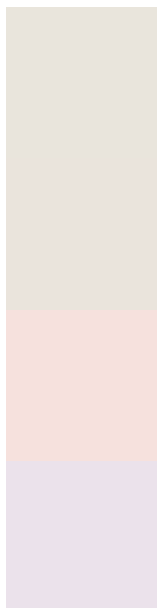
Deuteranopia

91, 11.781, 22.691



Tritanopia
91, 10.156, 313.145

Trichromacy



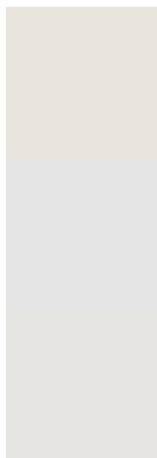
Original Color
91, 4.854, 92.388

Protanomaly
91, 4.654, 81.907

Deuteranomaly
91, 7.950, 34.869

Tritanomaly
91, 5.692, 324.601

Monochromacy



Original Color
91, 4.854, 92.388

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.579, 96.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 4.854, 92.388 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, 229, 220)` looks like.

```
.text, #text, p{  
    color:rgb(233, 229, 220)  
}
```

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, 229, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 229, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 4.854, 92.388 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, 229, 220) }
```

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

```
.border{ border-color:rgb(233, 229, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 229, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 229, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 229, 220); box-shadow:4px 4px 4px 4px rgb(233, 229, 220) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 4.854, 92.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 229, 220) }
```

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

```
.background{ background-color: rgb(233,  
229, 220) }
```

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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