

Converting Colors

CIELCh(87, 22.060, 92.681)

Have a look what the booklet for
CIELCh(87, 22.060, 92.681) contains.

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Color

CIELCh(87, 22.123, 93.037)

Conversions

Conversions Part 1

Format	Color
Hex	E8D9B0
RGB	232, 217, 176
RGB Percent	91%, 85%, 69%
CMY	0.0897, 0.1485, 0.3093
CMYK	0.00, 0.06, 0.24, 0.09
HSL	44°, 55%, 80%
HSV	44°, 24%, 91%
XYZ	66.0134, 70.0064, 51.1698
YIQ	216.8110, 22.1010, -9.5710

Conversions

Conversions Part 2

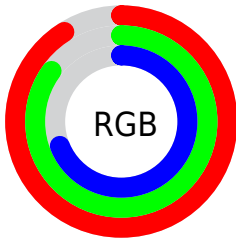
Format	Color
R_{YB}	196, 232, 176
Decimal	15260080
CIE Lab	87.00, -1.17, 22.09
CIE LCh	87, 22.123, 93.037
Yxy	70.0064, 0.3527, 0.3740
Android (android.graphics.Color)	4293450160 (0xFFE8D9B0)
YUV	216.8110, -20.1198, 13.3208
Hunter-Lab	83.6698, -5.5902, 22.3090

Details

The CIELCh color **87, 22.123, 93.037** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **78, 22.397, 279.455**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 11.641, 109.297**, and **67, 22.191, 92.605** is the 20% darker color. If you saturate the color by 10%, you get **85, 31.457, 91.751**, and if you desaturate by 10%, it is **89, 12.867, 94.295**.

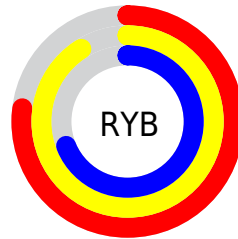
Distribution



Red (91%)

Green (85%)

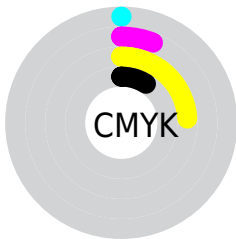
Blue (69%)



Red (77%)

Yellow (91%)

Blue (69%)

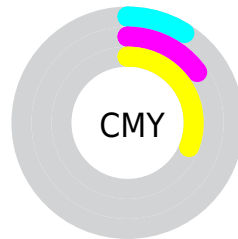


Cyan (0%)

Magenta (6%)

Yellow (24%)

Black (9%)



Cyan (9%)

Magenta (15%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 22.123, 93.037 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 87, 22.123, 93.037 by changing the saturation by 10% instead.

87, 22.123, 93.037

87, 22.123, 93.037

100, 22.123,
93.037

77, 22.123, 93.037

67, 22.123, 93.037

57, 22.123, 93.037

47, 22.123, 93.037

37, 22.123, 93.037

27, 22.123, 93.037

17, 22.123, 93.037

7, 22.123, 93.037

0, 22.123, 93.037

87, 22.123, 93.037

87, 22.123, 93.037

85, 31.457, 91.751

89, 12.867, 94.295

83, 40.785, 90.423

91, 3.725, 95.470

81, 49.954, 89.060

93, 5.285, 276.743

79, 58.684, 87.652

95, 7.422, 263.724

78, 66.504, 86.167

97, 6.438, 231.927

76, 72.693, 84.540

98, 7.616, 201.219

74, 76.432, 82.653

98, 7.813, 198.996

73, 77.607, 81.421

Harmonies

Complementary

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



87, 22.123, 93.037



78, 22.397, 279.455

Rectangle

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



87, 22.123, 93.037



87, 22.123, 143.037



87, 22.123, 273.037



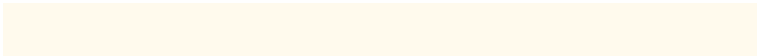
87, 22.123, 323.037

Sweetspot

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



87, 22.124, 93.044



98, 6.840, 95.145



77, 22.748, 359.687



52, 4.447, 95.074



0, 0.000, 0.000



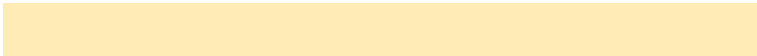
53, 0.007, 296.813

Same Dimension

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



87, 22.124, 93.044



94, 28.780, 92.399



90, 29.136, 117.022



48, 5.200, 94.858



58, 64.502, 81.818



17, 24.375, 84.691

Inverse Universe

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



78, 22.397, 279.455



81, 29.227, 280.344



75, 30.693, 300.503



46, 5.232, 277.239



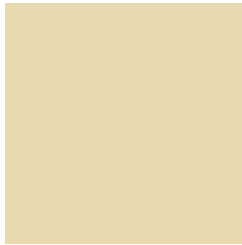
28, 83.192, 299.808



5, 28.956, 291.629

Previews

White Background



This preview shows how the CIELCh color 87, 22.123, 93.037 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 87, 22.123, 93.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

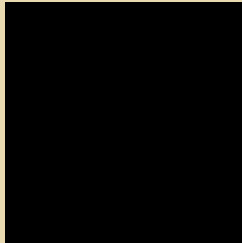
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 22.123, 93.037

Background



This preview shows how black text looks on a background with the CIELCh color 87, 22.123, 93.037.

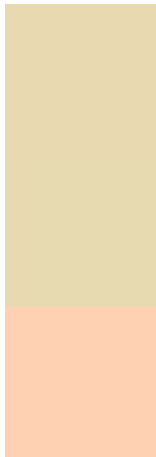


This preview shows how white text looks on a background with the CIELCh color 87, 22.123, 93.037.

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
87, 22.123, 93.037

Protanopia
87, 22.020, 94.021

Deuteranopia
87, 23.912, 62.359



Tritanopia
87, 13.473, 339.166

Trichromacy



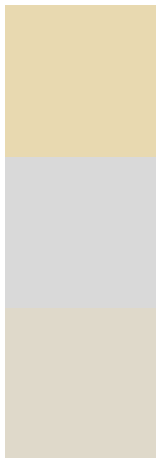
Original Color
87, 22.123, 93.037

Protanomaly
87, 22.020, 94.021

Deuteranomaly
87, 22.509, 73.466

Tritanomaly
87, 8.926, 36.864

Monochromacy



Original Color
87, 22.123, 93.037

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 8.120, 93.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 22.123, 93.037 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(232, 217, 176)` looks like.

```
.text, #text, p{  
    color:rgb(232, 217, 176)  
}
```

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(232, 217, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 217, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 22.123, 93.037 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(232, 217, 176) }
```

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

```
.border{ border-color:rgb(232, 217, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 217, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 217, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 217, 176);  
box-shadow:4px 4px 4px 4px rgb(232, 217,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 22.123, 93.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 217, 176) }
```

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

```
.background{ background-color: rgb(232,  
217, 176) }
```

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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