

Converting Colors

CIELCh(90, 6.702, 87.146)

Have a look what the booklet for
CIELCh(90, 6.702, 87.146) contains.

CIELCh(90, 6.702, 87.146)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(90, 6.702, 87.146)

Conversions

Conversions Part 1

Format	Color
Hex	E9E2D6
RGB	233, 226, 214
RGB Percent	91%, 89%, 84%
CMY	0.0877, 0.1151, 0.1621
CMYK	0.00, 0.03, 0.08, 0.09
HSL	38°, 30%, 88%
HSV	38°, 8%, 91%
XYZ	72.6831, 76.3034, 74.2829
YIQ	226.7250, 8.0240, -2.2480

Conversions

Conversions Part 2

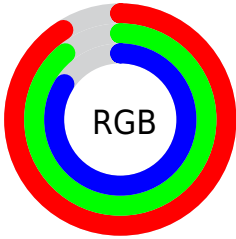
Format	Color
R _Y B	225, 233, 214
Decimal	15327958
CIE Lab	90.00, 0.33, 6.69
CIE LCh	90, 6.702, 87.146
Yxy	76.3034, 0.3255, 0.3418
Android (android.graphics.Color)	4293518038 (0xFFE9E2D6)
YUV	226.7250, -6.2734, 5.5032
Hunter-Lab	87.3518, -4.3406, 10.7268

Details

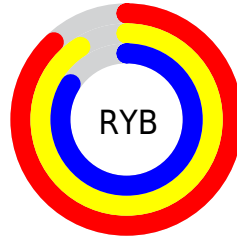
The CIELCh color **90, 6.702, 87.146** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **88, 6.684, 269.358**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 6.932, 89.848** is the 20% darker color. If you saturate the color by 10%, you get **87, 15.121, 85.890**, and if you desaturate by 10%, it is **93, 1.500, 268.664**.

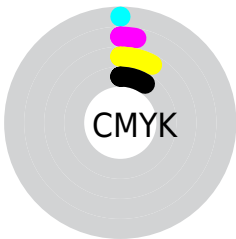
Distribution



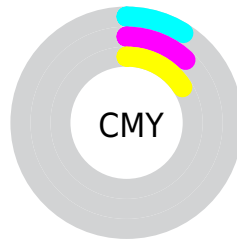
- Red (91%)
- Green (89%)
- Blue (84%)



- Red (88%)
- Yellow (91%)
- Blue (84%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 6.702, 87.146 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 90, 6.702, 87.146 by changing the saturation by 10% instead.



90, 6.702, 87.146

90, 6.702, 87.146

87, 15.121, 85.890

93, 1.500, 268.664

85, 23.750, 84.555

95, 7.103, 261.505

82, 32.568, 83.177

98, 6.621, 215.499

80, 41.507, 81.756

98, 7.639, 199.009

77, 50.422, 80.281

75, 59.021, 78.716

73, 66.777, 76.982

71, 72.859, 74.924

68, 76.470, 72.341

Harmonies

Complementary

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



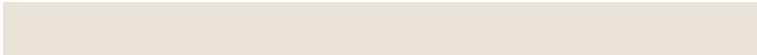
90, 6.702, 87.146



88, 6.684, 269.358

Rectangle

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



90, 6.702, 87.146



90, 6.702, 137.146



90, 6.702, 267.146



90, 6.702, 317.146

Sweetspot

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



90, 6.703, 87.166



99, 1.747, 87.805



87, 7.886, 351.136



53, 0.993, 87.808



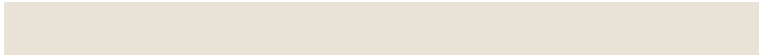
0, 0.000, 0.000



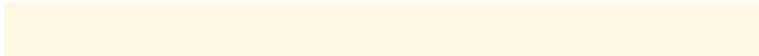
53, 0.007, 296.813

Same Dimension

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



90, 6.703, 87.166



97, 8.869, 86.932



92, 9.826, 114.115



48, 4.705, 87.004



54, 63.818, 72.411



15, 22.918, 74.986

Inverse Universe

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



88, 6.684, 269.358



94, 8.827, 269.619



86, 10.017, 295.438



46, 4.685, 269.538



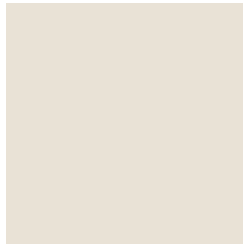
33, 71.320, 294.476



7, 25.617, 287.110

Previews

White Background



This preview shows how the CIELCh color 90, 6.702, 87.146 looks on a white background.

Color Contrast Check

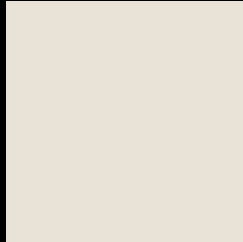
Large Text (above 18pt) WCAG AA × Fail

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 90, 6.702, 87.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

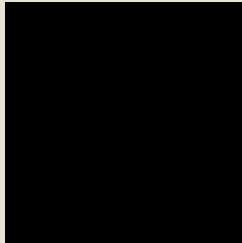
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

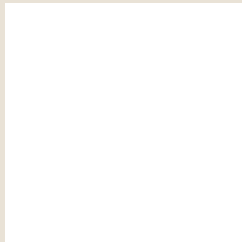
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 6.702, 87.146

Background



This preview shows how black text looks on a background with the CIELCh color 90, 6.702, 87.146.

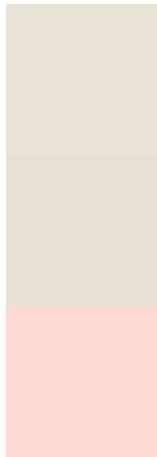


This preview shows how white text looks on a background with the CIELCh color 90, 6.702, 87.146.

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

90, 6.702, 87.146

Protanopia

90, 6.388, 82.370

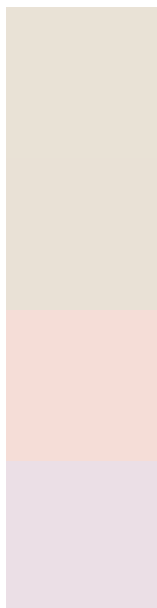
Deuteranopia

90, 12.421, 29.766



Tritanopia
90, 10.177, 319.807

Trichromacy



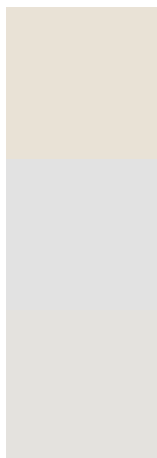
Original Color
90, 6.702, 87.146

Protanomaly
90, 6.388, 82.370

Deuteranomaly
90, 9.390, 39.195

Tritanomaly
90, 5.656, 339.733

Monochromacy



Original Color
90, 6.702, 87.146

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 2.179, 90.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 6.702, 87.146 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, 226, 214)` looks like.

```
.text, #text, p{  
    color:rgb(233, 226, 214)  
}
```

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, 226, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 226, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 6.702, 87.146 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, 226, 214) }
```

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

```
.border{ border-color:rgb(233, 226, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 226, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 226, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 226, 214); box-shadow:4px 4px 4px 4px rgb(233, 226, 214) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 6.702, 87.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 226, 214) }
```

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

```
.background{ background-color: rgb(233,  
226, 214) }
```

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