

Converting Colors

CIELCh(88, 12.697, 91.173)

Have a look what the booklet for
CIELCh(88, 12.697, 91.173) contains.

CIELCh(88, 12.525, 91.679)	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(88, 12.525, 91.679)

Conversions

Conversions Part 1

Format	Color
Hex	E6DCC5
RGB	230, 220, 197
RGB Percent	90%, 86%, 77%
CMY	0.0979, 0.1371, 0.2273
CMYK	0.00, 0.04, 0.14, 0.10
HSL	42°, 40%, 84%
HSV	42°, 14%, 90%
XYZ	68.3278, 72.0653, 63.1518
YIQ	220.3680, 13.3430, -5.0330

Conversions

Conversions Part 2

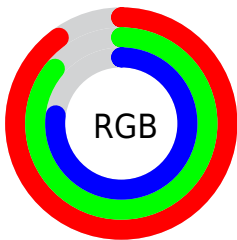
Format	Color
R _Y B	211, 230, 197
Decimal	15129797
CIE Lab	88.00, -0.37, 12.52
CIE LCh	88, 12.525, 91.679
Yxy	72.0653, 0.3357, 0.3541
Android (android.graphics.Color)	4293319877 (0xFFE6DCC5)
YUV	220.3680, -11.5204, 8.4473
Hunter-Lab	84.8913, -4.8876, 15.3172

Details

The CIELCh color **88, 12.525, 91.679** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 12.557, 275.425**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.496, 109.985**, and **68, 12.586, 92.240** is the 20% darker color. If you saturate the color by 10%, you get **86, 21.446, 90.408**, and if you desaturate by 10%, it is **90, 3.754, 92.890**.

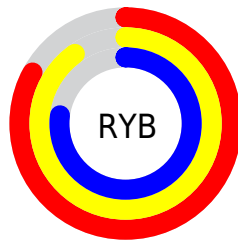
Distribution



Red (90%)

Green (86%)

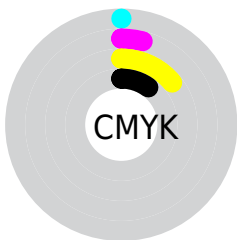
Blue (77%)



Red (83%)

Yellow (90%)

Blue (77%)

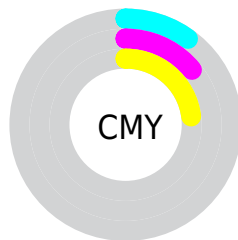


Cyan (0%)

Magenta (4%)

Yellow (14%)

Black (10%)



Cyan (10%)

Magenta (14%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 12.525, 91.679 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 88, 12.525, 91.679 by changing the saturation by 10% instead.

■ 88, 12.525, 91.679

■ 88, 12.525, 91.679

■ 100, 12.525,
91.679

■ 78, 12.525, 91.679

■ 68, 12.525, 91.679

■ 58, 12.525, 91.679

■ 48, 12.525, 91.679

■ 38, 12.525, 91.679

■ 28, 12.525, 91.679

■ 18, 12.525, 91.679

■ 8, 12.525, 91.679

■ 0, 12.525, 91.679

88, 12.525, 91.679

88, 12.525, 91.679

86, 21.446, 90.408

90, 3.754, 92.890

84, 30.483, 89.083

93, 4.862, 274.204

81, 39.567, 87.718

95, 8.058, 263.301

79, 48.560, 86.311

96, 7.024, 230.342

77, 57.200, 84.844

98, 8.467, 199.372

75, 65.032, 83.278

98, 8.510, 198.945

74, 71.339, 81.524

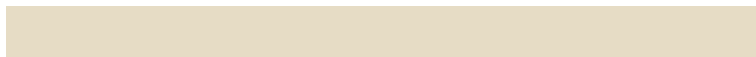
72, 75.260, 79.435

71, 76.546, 78.109

Harmonies

Complementary

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



88, 12.525, 91.679



83, 12.557, 275.425

Rectangle

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



88, 12.525, 91.679



88, 12.525, 141.679



88, 12.525, 271.679



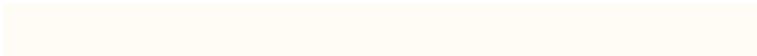
88, 12.525, 321.679

Sweetspot

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



88, 12.526, 91.690



99, 3.754, 92.924



83, 13.385, 356.188



53, 2.671, 92.843



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 12.526, 91.690



96, 16.179, 91.342



90, 17.189, 116.343



47, 4.926, 92.294



56, 63.363, 78.580



15, 22.529, 81.526

Inverse Universe

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



83, 12.557, 275.425



89, 16.219, 275.841



81, 17.731, 298.451



45, 4.940, 274.731



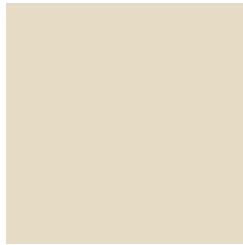
29, 78.228, 298.123



5, 26.380, 289.098

Previews

White Background



This preview shows how the CIELCh color 88, 12.525, 91.679 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 88, 12.525, 91.679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

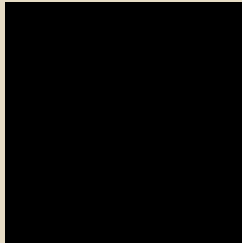
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

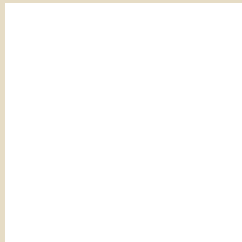
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 12.525, 91.679

Background



This preview shows how black text looks on a background with the CIELCh color 88, 12.525, 91.679.

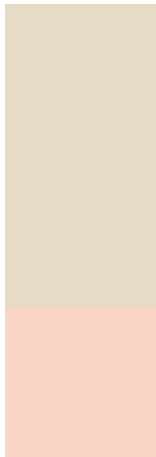


This preview shows how white text looks on a background with the CIELCh color 88, 12.525, 91.679.

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

88, 12.525, 91.679

Protanopia

88, 12.525, 91.679

Deuteranopia

88, 16.178, 48.907



Tritanopia
88, 11.433, 329.324

Trichromacy



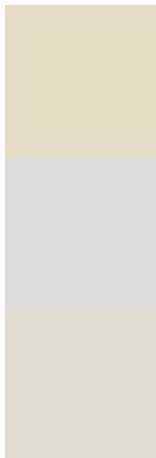
Original Color
88, 12.525, 91.679

Protanomaly
88, 12.525, 91.679

Deuteranomaly
88, 13.913, 61.974

Tritanomaly
88, 5.916, 9.618

Monochromacy



Original Color
88, 12.525, 91.679

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 4.396, 90.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 12.525, 91.679 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(230, 220, 197)` looks like.

```
.text, #text, p{  
    color:rgb(230, 220, 197)  
}
```

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(230, 220, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 220, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 12.525, 91.679 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(230, 220, 197) }
```

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

```
.border{ border-color:rgb(230, 220, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 220, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 220, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 220, 197);  
box-shadow:4px 4px 4px 4px rgb(230, 220,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 12.525, 91.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 220, 197) }
```

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

```
.background{ background-color: rgb(230,  
220, 197) }
```

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