

Converting Colors

CIE LCh(84, 17.100, 91.225)

Have a look what the booklet for
CIELCh(84, 17.100, 91.225) contains.

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Color

CIELCh(84, 17.520, 91.999)

Conversions

Conversions Part 1

Format	Color
Hex	DED1B1
RGB	222, 209, 177
RGB Percent	87%, 82%, 69%
CMY	0.1308, 0.1817, 0.3072
CMYK	0.00, 0.06, 0.20, 0.13
HSL	43°, 40%, 78%
HSV	43°, 20%, 87%
XYZ	60.6340, 64.0658, 50.5897
YIQ	209.2390, 18.0200, -7.1960

Conversions

Conversions Part 2

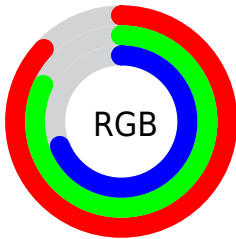
Format	Color
RYB	195, 222, 177
Decimal	14602673
CIELab	84.00, -0.61, 17.51
CIElCh	84, 17.520, 91.999
Yxy	64.0658, 0.3459, 0.3655
Android (android.graphics.Color)	4292792753 (0xFFDED1B1)
YUV	209.2390, -15.8938, 11.1914
Hunter-Lab	80.0411, -4.8519, 18.5547

Details

The CIELCh color **84, 17.520, 91.999** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 17.623, 277.362**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 11.136, 109.335**, and **64, 17.884, 92.088** is the 20% darker color. If you saturate the color by 10%, you get **82, 26.343, 90.713**, and if you desaturate by 10%, it is **86, 8.813, 93.252**.

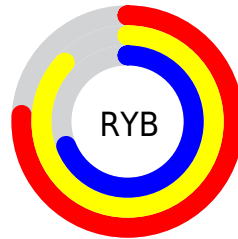
Distribution



Red (87%)

Green (82%)

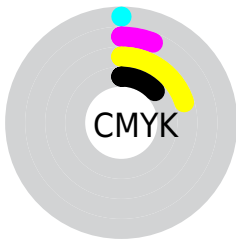
Blue (69%)



Red (76%)

Yellow (87%)

Blue (69%)

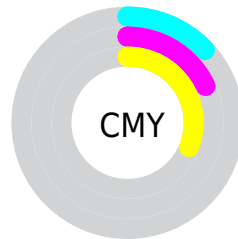


Cyan (0%)

Magenta (6%)

Yellow (20%)

Black (13%)



Cyan (13%)

Magenta (18%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 17.520, 91.999 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 84, 17.520, 91.999 by changing the saturation by 10% instead.

■ 84, 17.520, 91.999

■ 84, 17.520, 91.999

■ 100, 17.520,
91.999

■ 74, 17.520, 91.999

■ 64, 17.520, 91.999

■ 54, 17.520, 91.999

■ 44, 17.520, 91.999

■ 34, 17.520, 91.999

■ 24, 17.520, 91.999

■ 14, 17.520, 91.999

■ 4, 17.520, 91.999

■ 0, 17.520, 91.999

84, 17.520, 91.999

84, 17.520, 91.999

82, 26.343, 90.713

86, 8.813, 93.252

80, 35.225, 89.380

88, 0.241, 93.544

78, 44.060, 88.010

90, 8.189, 275.686

76, 52.646, 86.593

92, 11.439,
269.212

74, 60.622, 85.105

94, 9.662, 249.154

73, 67.400, 83.487

96, 9.408, 224.703

71, 72.179, 81.628

97, 10.757,
203.004

69, 74.617, 79.514

98, 11.268,
198.754

Harmonies

Complementary

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



84, 17.520, 91.999



77, 17.623, 277.362

Rectangle

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



84, 17.520, 91.999



84, 17.520, 141.999



84, 17.520, 271.999



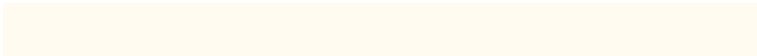
84, 17.520, 321.999

Sweetspot

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



84, 17.521, 92.007



99, 5.730, 93.755



76, 18.430, 358.025



52, 3.804, 93.679



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 17.521, 92.007



94, 23.285, 91.508



87, 23.596, 116.605



45, 4.814, 93.357



55, 62.180, 79.959



14, 20.145, 83.091

Inverse Universe

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



77, 17.623, 277.362



85, 23.447, 278.011



74, 24.649, 299.567



43, 4.834, 275.757



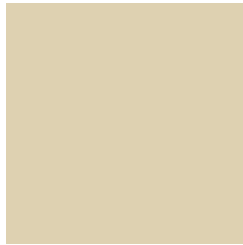
28, 77.994, 298.742



4, 23.693, 287.282

Previews

White Background



This preview shows how the CIELCh color 84, 17.520, 91.999 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 84, 17.520, 91.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

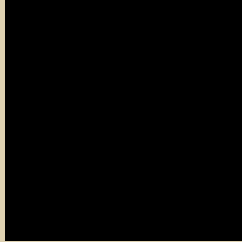
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

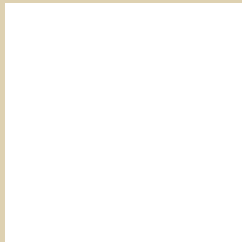
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 17.520, 91.999

Background



This preview shows how black text looks on a background with the CIELCh color 84, 17.520, 91.999.

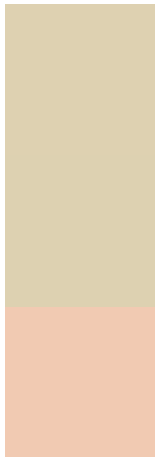


This preview shows how white text looks on a background with the CIELCh color 84, 17.520, 91.999.

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

84, 17.520, 91.999

Protanopia

84, 17.411, 93.230

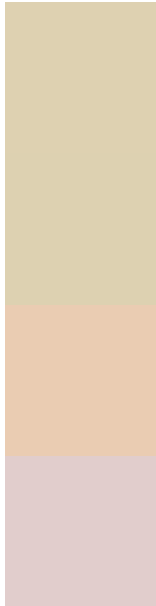
Deuteranopia

84, 19.953, 59.080



Tritanopia
84, 12.139, 336.385

Trichromacy



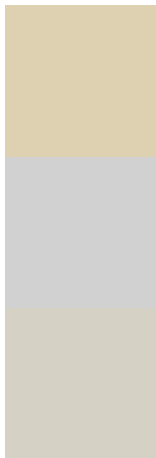
Original Color
84, 17.520, 91.999

Protanomaly
84, 17.411, 93.230

Deuteranomaly
84, 18.078, 68.608

Tritanomaly
84, 7.431, 23.929

Monochromacy



Original Color
84, 17.520, 91.999

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 6.558, 93.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 17.520, 91.999 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(222, 209, 177)` looks like.

```
.text, #text, p{  
    color:rgb(222, 209, 177)  
}
```

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(222, 209, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 209, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 17.520, 91.999 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(222, 209, 177) }
```

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

```
.border{ border-color:rgb(222, 209, 177) }
```

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

Here you see how a box with a 4 pixel rgb(222, 209, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 209, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 209, 177);  
box-shadow:4px 4px 4px 4px rgb(222, 209,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 17.520, 91.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 209, 177) }
```

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

```
.background{ background-color: rgb(222,  
209, 177) }
```

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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