

Converting Colors

CIELCh(84, 20.043, 79.456)

Have a look what the booklet for
CIELCh(84, 20.043, 79.456) contains.

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Color

CIELCh(84, 19.974, 79.225)

Conversions

Conversions Part 1

Format	Color
Hex	E7CEAD
RGB	231, 206, 173
RGB Percent	91%, 81%, 68%
CMY	0.0946, 0.1926, 0.3220
CMYK	0.00, 0.11, 0.25, 0.09
HSL	34°, 55%, 79%
HSV	34°, 25%, 91%
XYZ	62.4889, 64.0658, 48.5480
YIQ	209.7130, 25.4930, -4.9630

Conversions

Conversions Part 2

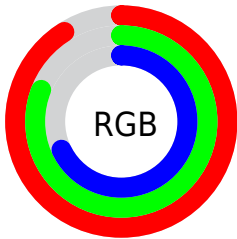
Format	Color
R _Y B	217, 231, 173
Decimal	15191725
CIE Lab	84.00, 3.73, 19.62
CIE LCh	84, 19.974, 79.225
Yxy	64.0658, 0.3569, 0.3659
Android (android.graphics.Color)	4293381805 (0xFFE7CEAD)
YUV	209.7130, -18.0995, 18.6687
Hunter-Lab	80.0411, -0.7151, 20.0671

Details

The CIELCh color $84, 19.974, 79.225$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $79, 19.194, 266.380$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 13.158, 109.183$, and $64, 19.836, 79.014$ is the 20% darker color. If you saturate the color by 10%, you get $81, 28.424, 77.881$, and if you desaturate by 10%, it is $87, 11.808, 80.546$.

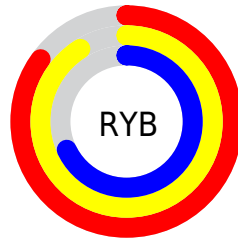
Distribution



Red (91%)

Green (81%)

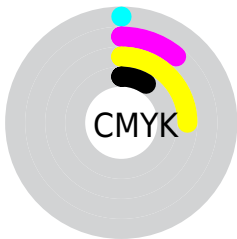
Blue (68%)



Red (85%)

Yellow (91%)

Blue (68%)

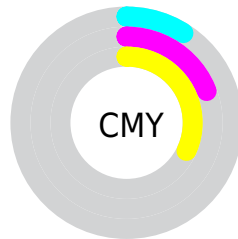


Cyan (0%)

Magenta (11%)

Yellow (25%)

Black (9%)



Cyan (9%)

Magenta (19%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 19.974, 79.225 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, 19.974, 79.225 by changing the saturation by 10% instead.

84, 19.974, 79.225

84, 19.974, 79.225

100, 19.974,
79.225

74, 19.974, 79.225

64, 19.974, 79.225

54, 19.974, 79.225

44, 19.974, 79.225

34, 19.974, 79.225

24, 19.974, 79.225

14, 19.974, 79.225

4, 19.974, 79.225

0, 19.974, 79.225

84, 19.974, 79.225

84, 19.974, 79.225

81, 28.424, 77.881

87, 11.808, 80.546

78, 37.126, 76.496

90, 3.923, 81.777

75, 45.994, 75.068

93, 3.697, 263.209

73, 54.831, 73.566

96, 6.877, 243.327

70, 63.237, 71.915

98, 8.230, 198.965

68, 70.491, 69.956

65, 75.582, 67.416

64, 77.404, 66.014

Harmonies

Complementary

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



84, 19.974, 79.225



79, 19.194, 266.380

Rectangle

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



84, 19.974, 79.225



84, 19.974, 129.225



84, 19.974, 259.225



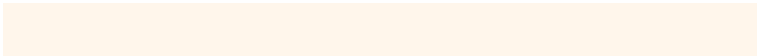
84, 19.974, 309.225

Sweetspot

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



84, 19.975, 79.233



97, 6.685, 81.436



77, 25.383, 349.848



51, 4.765, 81.251



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, 19.975, 79.233



90, 26.092, 78.555



90, 29.793, 110.619



47, 4.369, 81.264



51, 63.735, 66.663



13, 21.135, 68.224

Inverse Universe

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



79, 19.194, 266.380



84, 24.849, 267.361



73, 31.616, 295.431



46, 4.316, 263.827



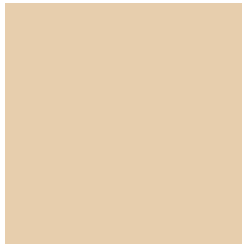
35, 63.025, 290.019



7, 22.233, 281.864

Previews

White Background



This preview shows how the CIELCh color 84, 19.974, 79.225 looks on a white background.

Color Contrast Check

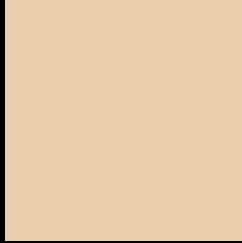
Large Text (above 18pt) WCAG AA × Fail

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, 19.974, 79.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

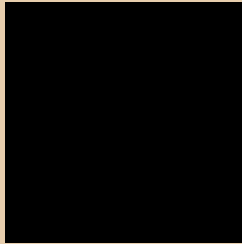
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 19.974, 79.225

Background



This preview shows how black text looks on a background with the CIELCh color 84, 19.974, 79.225.



This preview shows how white text looks on a background with the CIELCh color 84, 19.974, 79.225.

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, 19.974, 79.225

Protanopia

84, 18.933, 94.293

Deuteranopia

84, 21.745, 62.349



Tritanopia
84, 15.369, 349.794

Trichromacy



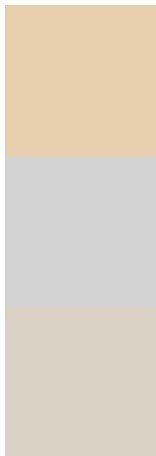
Original Color
84, 19.974, 79.225

Protanomaly
84, 19.045, 88.226

Deuteranomaly
84, 20.678, 67.044

Tritanomaly
84, 12.074, 25.236

Monochromacy



Original Color
84, 19.974, 79.225

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 7.123, 81.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 19.974, 79.225 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(231, 206, 173)` looks like.

```
.text, #text, p{  
    color:rgb(231, 206, 173)  
}
```

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(231, 206, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 206, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 19.974, 79.225 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(231, 206, 173) }
```

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

```
.border{ border-color:rgb(231, 206, 173) }
```

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

Here you see how a box with a 4 pixel rgb(231, 206, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 206, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 206, 173);  
box-shadow:4px 4px 4px 4px rgb(231, 206,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 19.974, 79.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 206, 173) }
```

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

```
.background{ background-color: rgb(231,  
206, 173) }
```

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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