

Converting Colors

CIELCh(84, 5.663, 77.268)

Have a look what the booklet for
CIELCh(84, 5.663, 77.268) contains.

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Color

CIELCh(84, 5.567, 77.494)

Conversions

Conversions Part 1

Format	Color
Hex	D8D0C7
RGB	216, 208, 199
RGB Percent	85%, 82%, 78%
CMY	0.1516, 0.1830, 0.2183
CMYK	0.00, 0.04, 0.08, 0.15
HSL	32°, 18%, 82%
HSV	32°, 8%, 85%
XYZ	61.4049, 64.0658, 63.3658
YIQ	209.3660, 7.6570, -1.1030

Conversions

Conversions Part 2

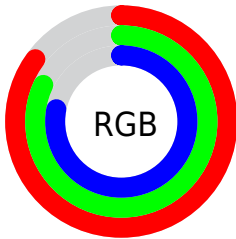
Format	Color
R _Y B	214, 216, 199
Decimal	14209223
CIE Lab	84.00, 1.21, 5.43
CIE LCh	84, 5.567, 77.494
Yxy	64.0658, 0.3252, 0.3393
Android (android.graphics.Color)	4292399303 (0xFFD8D0C7)
YUV	209.3660, -5.1104, 5.8180
Hunter-Lab	80.0411, -3.1325, 9.0909

Details

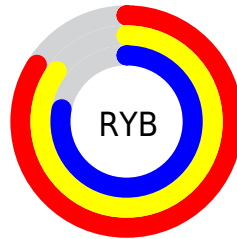
The CIELCh color **84, 5.567, 77.494** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 5.492, 259.653**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **64, 5.701, 80.595** is the 20% darker color. If you saturate the color by 10%, you get **81, 12.924, 76.285**, and if you desaturate by 10%, it is **87, 1.496, 259.067**.

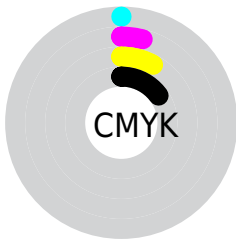
Distribution



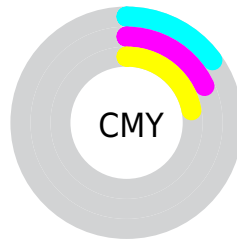
- Red (85%)
- Green (82%)
- Blue (78%)



- Red (84%)
- Yellow (85%)
- Blue (78%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (15%)



- Cyan (15%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 5.567, 77.494 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, 5.567, 77.494 by changing the saturation by 10% instead.



84, 5.567, 77.494

84, 5.567, 77.494

81, 12.924, 76.285

87, 1.496, 259.067

78, 20.592, 74.999

90, 8.294, 260.068

75, 28.577, 73.686

93, 11.089,
247.890

72, 36.854, 72.350

96, 11.318,
214.502

69, 45.337, 70.977

67, 53.825, 69.527

97, 12.983,
198.639

64, 61.898, 67.902

62, 68.802, 65.897

59, 73.634, 63.237

Harmonies

Complementary

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



84, 5.567, 77.494



83, 5.492, 259.653

Rectangle

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



84, 5.567, 77.494



84, 5.567, 127.494



84, 5.567, 257.494



84, 5.567, 307.494

Sweetspot

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



84, 5.568, 77.518



99, 1.593, 78.052



82, 7.621, 345.164



53, 0.905, 78.051



0, 0.000, 0.000



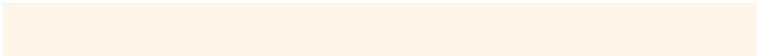
53, 0.007, 296.813

Same Dimension

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



84, 5.568, 77.518



97, 7.304, 77.373



86, 8.881, 110.095



44, 4.001, 77.334



47, 62.381, 63.320



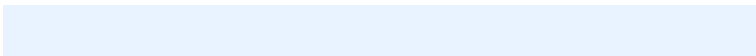
10, 17.078, 62.818

Inverse Universe

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



83, 5.492, 259.653



95, 7.183, 259.816



81, 9.051, 291.617



43, 3.932, 259.861



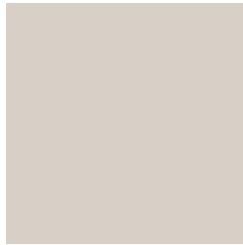
35, 56.395, 286.574



6, 17.934, 275.588

Previews

White Background



This preview shows how the CIELCh color 84, 5.567, 77.494 looks on a white background.

Color Contrast Check

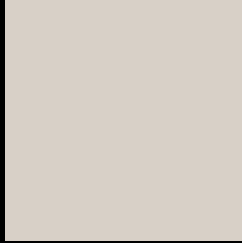
Large Text (above 18pt) WCAG AA × Fail

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, 5.567, 77.494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

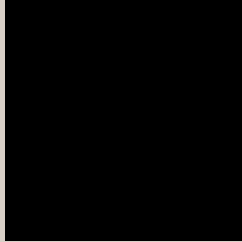
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

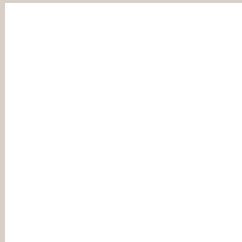
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 5.567, 77.494

Background



This preview shows how black text looks on a background with the CIELCh color 84, 5.567, 77.494.

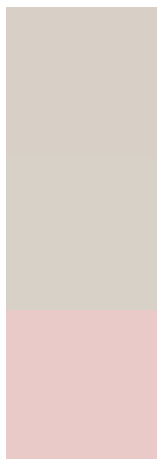


This preview shows how white text looks on a background with the CIELCh color 84, 5.567, 77.494.

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, 5.567, 77.494

Protanopia

84, 5.842, 83.285

Deuteranopia

84, 11.633, 22.819



Tritanopia
84, 9.869, 321.322

Trichromacy



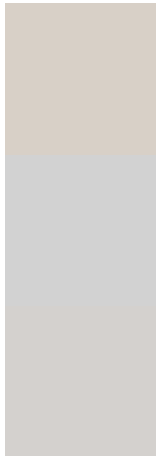
Original Color
84, 5.567, 77.494

Protanomaly
84, 5.842, 83.285

Deuteranomaly
84, 8.853, 33.659

Tritanomaly
84, 5.738, 339.767

Monochromacy



Original Color
84, 5.567, 77.494

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 1.905, 74.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 5.567, 77.494 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(216, 208, 199)` looks like.

```
.text, #text, p{  
    color:rgb(216, 208, 199)  
}
```

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(216, 208, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 208, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 5.567, 77.494 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(216, 208, 199) }
```

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

```
.border{ border-color:rgb(216, 208, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 208, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 208, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 208, 199);  
box-shadow:4px 4px 4px 4px rgb(216, 208,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 5.567, 77.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 208, 199) }
```

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

```
.background{ background-color: rgb(216,  
208, 199) }
```

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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