

Converting Colors

CIELCh(84, 21.413, 107.281)

Have a look what the booklet for
CIELCh(84, 21.413, 107.281)
contains.

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Color

CIELCh(84, 21.431, 107.272)

Conversions

Conversions Part 1

Format	Color
Hex	D5D4AB
RGB	213, 212, 171
RGB Percent	84%, 83%, 67%
CMY	0.1653, 0.1692, 0.3300
CMYK	0.00, 0.00, 0.20, 0.17
HSL	59°, 33%, 75%
HSV	59°, 20%, 83%
XYZ	58.2355, 64.0658, 47.7491
YIQ	207.6250, 13.7570, -12.5390

Conversions

Conversions Part 2

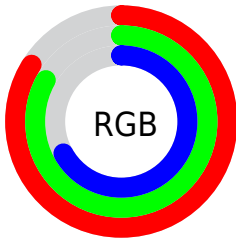
Format	Color
RYB	172, 213, 171
Decimal	14013611
CIELab	84.00, -6.36, 20.46
CIELCh	84, 21.431, 107.272
Yxy	64.0658, 0.3425, 0.3767
Android (android.graphics.Color)	4292203691 (0xFFD5D4AB)
YUV	207.6250, -18.0561, 4.7139
Hunter-Lab	80.0411, -10.2007, 20.6589

Details

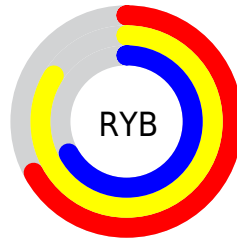
The CIELCh color **84, 21.431, 107.272** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **71, 22.383, 291.479**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.673, 109.069**, and **64, 20.962, 106.751** is the 20% darker color. If you saturate the color by 10%, you get **83, 32.142, 106.287**, and if you desaturate by 10%, it is **85, 10.592, 108.265**.

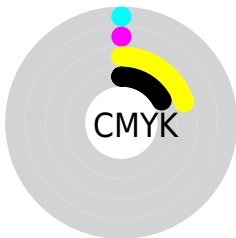
Distribution



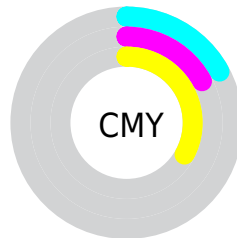
- Red (84%)
- Green (83%)
- Blue (67%)



- Red (67%)
- Yellow (84%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (17%)



- Cyan (17%)
- Magenta (17%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 21.431, 107.272 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, 21.431, 107.272 by changing the saturation by 10% instead.


 84, 21.431,
107.272

 84, 21.431,
107.272


 100, 21.431,
107.272


 74, 21.431,
107.272

 64, 21.431,
107.272

 54, 21.431,
107.272

 44, 21.431,
107.272

 34, 21.431,
107.272

 24, 21.431,
107.272

 14, 21.431,

107.272

■ 4, 21.431, 107.272

■ 0, 21.431, 107.272

■ 84, 21.431,
107.272

■ 84, 21.431,
107.272

■ 83, 32.142,
106.287

■ 85, 10.592,
108.265

■ 83, 42.602,
105.313

■ 85, 0.305, 289.501

■ 83, 52.624,
104.378

■ 86, 11.210,
290.209

■ 82, 61.922,
103.510

■ 87, 21.574,
291.063

■ 82, 70.080,

■ 87, 21.301,
290.577

102.743

87, 21.031,
290.080

82, 76.568,
102.113

87, 20.761,
289.570

82, 80.873,
101.649

87, 20.494,
289.048

81, 83.024,
101.339

87, 20.228,
288.512

81, 83.074,
101.331

Harmonies

Complementary

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



84, 21.431, 107.272



71, 22.383, 291.479

Rectangle

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



84, 21.431, 107.272



84, 21.431, 157.272



84, 21.431, 287.272



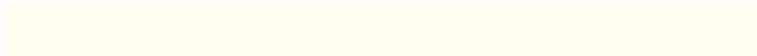
84, 21.431, 337.272

Sweetspot

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



84, 21.433, 107.277



100, 7.563, 108.621



74, 16.348, 18.187



53, 5.017, 108.557



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, 21.433, 107.277



98, 30.135, 106.829



83, 23.278, 126.978



45, 6.211, 108.294



67, 70.544, 101.355



17, 24.426, 103.244

Inverse Universe

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



71, 22.383, 291.479



81, 31.820, 292.106



73, 23.962, 308.853



41, 6.343, 290.215



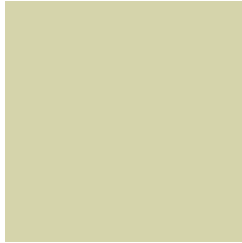
20, 97.998, 305.974



2, 27.120, 293.522

Previews

White Background



This preview shows how the CIELCh color 84, 21.431, 107.272 looks on a white background.

Color Contrast Check

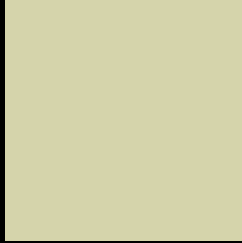
Large Text (above 18pt) WCAG AA × Fail

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, 21.431, 107.272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

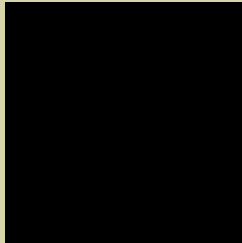
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

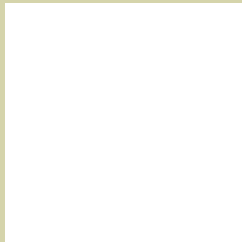
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 21.431, 107.272

Background



This preview shows how black text looks on a background with the CIELCh color 84, 21.431, 107.272.



This preview shows how white text looks on a background with the CIELCh color 84, 21.431, 107.272.

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, 21.431, 107.272

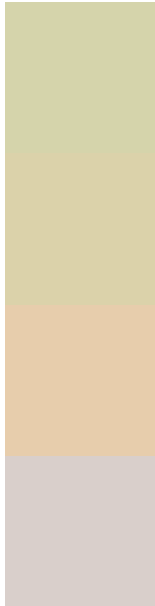
Protanopia
84, 21.570, 94.661

Deuteranopia
84, 22.072, 61.644



Tritanopia
84, 10.057, 323.098

Trichromacy



Original Color
84, 21.431, 107.272

Protanomaly
84, 21.229, 98.808

Deuteranomaly
84, 20.198, 78.235

Tritanomaly
84, 4.232, 49.279

Monochromacy



Original Color
84, 21.431, 107.272

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 7.883, 109.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 21.431, 107.272 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(213, 212, 171)` looks like.

```
.text, #text, p{  
    color:rgb(213, 212, 171)  
}
```

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(213, 212, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 212, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 21.431, 107.272 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(213, 212, 171) }
```

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

```
.border{ border-color:rgb(213, 212, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 212, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 212, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 212, 171); box-shadow:4px 4px 4px 4px rgb(213, 212, 171) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 21.431, 107.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 212, 171) }
```

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

```
.background{ background-color: rgb(213,  
212, 171) }
```

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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