

Converting Colors

CIELCh(84, 27.450, 116.807)

Have a look what the booklet for
CIELCh(84, 27.450, 116.807)
contains.

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Color

CIELCh(84, 27.427, 116.814)

Conversions

Conversions Part 1

Format	Color
Hex	CCD7A3
RGB	204, 215, 163
RGB Percent	80%, 84%, 64%
CMY	0.2001, 0.1569, 0.3609
CMYK	0.05, 0.00, 0.24, 0.16
HSL	73°, 39%, 74%
HSV	73°, 24%, 84%
XYZ	55.7982, 64.0658, 44.0647
YIQ	205.7830, 10.1360, -18.5040

Conversions

Conversions Part 2

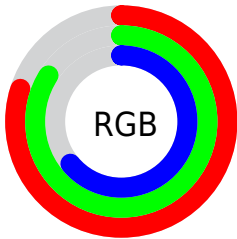
Format	Color
RYB	163, 215, 174
Decimal	13424547
CIELab	84.00, -12.37, 24.48
CIElCh	84, 27.427, 116.814
Yxy	64.0658, 0.3404, 0.3908
Android (android.graphics.Color)	4291614627 (0xFFCCD7A3)
YUV	205.7830, -21.0920, -1.5637
Hunter-Lab	80.0411, -15.6362, 23.3881

Details

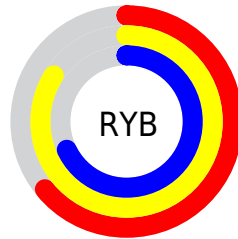
The CIELCh color $84, 27.427, 116.814$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $70, 28.898, 300.323$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 18.707, 108.762$, and $64, 27.261, 116.963$ is the 20% darker color. If you saturate the color by 10%, you get $83, 38.521, 116.147$, and if you desaturate by 10%, it is $85, 16.144, 117.497$.

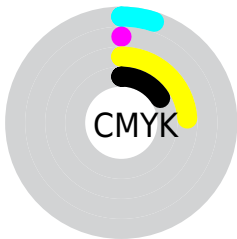
Distribution



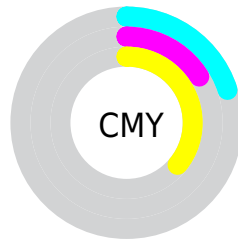
- Red (80%)
- Green (84%)
- Blue (64%)



- Red (64%)
- Yellow (84%)
- Blue (68%)



- Cyan (5%)
- Magenta (0%)
- Yellow (24%)
- Black (16%)



- Cyan (20%)
- Magenta (16%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 27.427, 116.814 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, 27.427, 116.814 by changing the saturation by 10% instead.


 84, 27.427,
116.814


 84, 27.427,
116.814


 100, 27.427,
116.814


 74, 27.427,
116.814

 64, 27.427,
116.814

 54, 27.427,
116.814

 44, 27.427,
116.814

 34, 27.427,
116.814

 24, 27.427,
116.814

 14, 27.427,

116.814

■ 4, 27.427, 116.814

■ 0, 27.427, 116.814

■ 84, 27.427,
116.814

■ 84, 27.427,
116.814

■ 83, 38.521,
116.147

■ 85, 16.144,
117.497

■ 83, 49.269,
115.515

■ 86, 4.766, 118.169

■ 82, 59.446,
114.962

■ 87, 6.636, 298.811

■ 82, 68.716,
114.550

■ 87, 18.015,
299.432

■ 81, 76.618,

■ 88, 21.381,
302.547

114.358

88, 21.726,
306.578

81, 82.629,
114.484

89, 22.173,
310.500

80, 86.357,
115.009

89, 22.718,
314.284

80, 87.722,
115.453

89, 23.356,
317.908

Harmonies

Complementary

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



84, 27.427, 116.814



70, 28.898, 300.323

Rectangle

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



84, 27.427, 116.814



84, 27.427, 166.814



84, 27.427, 296.814



84, 27.427, 346.814

Sweetspot

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



84, 27.429, 116.817



99, 9.153, 117.977



74, 17.524, 39.171



53, 5.948, 117.936



0, 0.000, 0.000



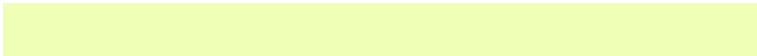
53, 0.007, 296.813

Same Dimension

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



84, 27.429, 116.817



97, 37.663, 116.473



82, 30.626, 134.611



45, 6.442, 117.819



65, 73.855, 115.273



16, 25.562, 116.201

Inverse Universe

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



70, 28.898, 300.323



77, 40.179, 300.806



72, 31.186, 316.763



41, 6.575, 299.096



21, 97.430, 307.400



2, 27.868, 299.290

Previews

White Background



This preview shows how the CIELCh color 84, 27.427, 116.814 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, 27.427, 116.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

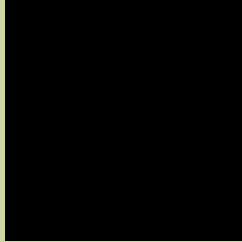
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

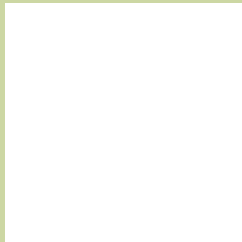
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 27.427, 116.814

Background



This preview shows how black text looks on a background with the CIELCh color 84, 27.427, 116.814.



This preview shows how white text looks on a background with the CIELCh color 84, 27.427, 116.814.

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, 27.427, 116.814

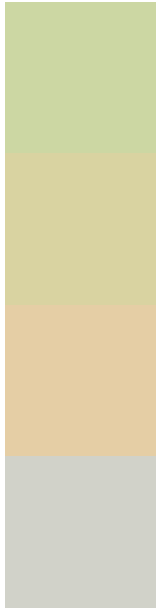
Protanopia
84, 26.327, 94.815

Deuteranopia
84, 25.416, 65.981



Tritanopia
84, 8.659, 302.676

Trichromacy



Original Color
84, 27.427, 116.814

Protanomaly
84, 26.206, 102.699

Deuteranomaly
84, 23.428, 85.345

Tritanomaly
84, 4.743, 114.201

Monochromacy



Original Color
84, 27.427, 116.814

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 10.114, 117.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 27.427, 116.814 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(204, 215, 163)` looks like.

```
.text, #text, p{  
    color:rgb(204, 215, 163)  
}
```

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(204, 215, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 215, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 27.427, 116.814 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(204, 215, 163) }
```

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

```
.border{ border-color:rgb(204, 215, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 215, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 215, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 215, 163); box-shadow:4px 4px 4px 4px rgb(204, 215, 163) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 27.427, 116.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 215, 163) }
```

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

```
.background{ background-color: rgb(204,  
215, 163) }
```

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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