

Converting Colors

CIELCh(84, 22.921, 120.839)

Have a look what the booklet for
CIELCh(84, 22.921, 120.839)
contains.

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Color

CIELCh(84, 23.020, 120.740)

Conversions

Conversions Part 1

Format	Color
Hex	CAD7AC
RGB	202, 215, 172
RGB Percent	79%, 84%, 67%
CMY	0.2082, 0.1572, 0.3259
CMYK	0.06, 0.00, 0.20, 0.16
HSL	78°, 35%, 76%
HSV	78°, 20%, 84%
XYZ	56.0407, 64.0658, 48.3921
YIQ	206.2110, 6.0550, -16.1290

Conversions

Conversions Part 2

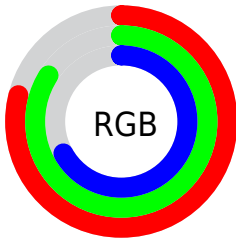
Format	Color
RYB	172, 215, 185
Decimal	13293484
CIELab	84.00, -11.77, 19.79
CIELCh	84, 23.020, 120.740
Yxy	64.0658, 0.3326, 0.3802
Android (android.graphics.Color)	4291483564 (0xFFCAD7AC)
YUV	206.2110, -16.8660, -3.6930
Hunter-Lab	80.0411, -15.0953, 20.1826

Details

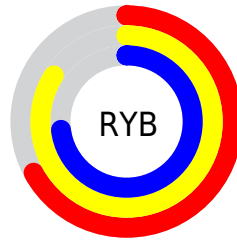
The CIELCh color **84, 23.020, 120.740** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 23.927, 303.163**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **64, 22.579, 120.383** is the 20% darker color. If you saturate the color by 10%, you get **83, 34.381, 120.156**, and if you desaturate by 10%, it is **85, 11.533, 121.330**.

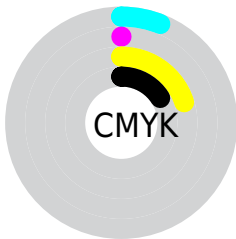
Distribution



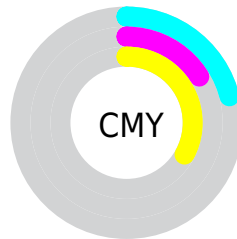
- Red (79%)
- Green (84%)
- Blue (67%)



- Red (67%)
- Yellow (84%)
- Blue (73%)



- Cyan (6%)
- Magenta (0%)
- Yellow (20%)
- Black (16%)



- Cyan (21%)
- Magenta (16%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 23.020, 120.740 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, 23.020, 120.740 by changing the saturation by 10% instead.

■ 84, 23.020,
120.740

■ 84, 23.020,
120.740

■ 100, 23.020,
120.740

■ 74, 23.020,
120.740

■ 64, 23.020,
120.740

■ 54, 23.020,
120.740

■ 44, 23.020,
120.740

■ 34, 23.020,
120.740

■ 24, 23.020,
120.740

■ 14, 23.020,

120.740

■ 4, 23.020, 120.740

■ 0, 23.020, 120.740

■ 84, 23.020,
120.740

■ 84, 23.020,
120.740

■ 83, 34.381,
120.156

■ 85, 11.533,
121.330

■ 82, 45.482,
119.592

■ 86, 0.001, 196.530

■ 82, 56.133,
119.090

■ 87, 11.515,
302.427

■ 81, 66.051,
118.706

■ 88, 21.506,
303.643

■ 80, 74.834,

■ 89, 22.070,
309.319

118.523

89, 22.836,
314.733

80, 81.975,
118.648

90, 23.789,
319.817

79, 86.998,
119.190

90, 24.913,
324.534

79, 89.982,
120.141

90, 25.120,
325.299

Harmonies

Complementary

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



84, 23.020, 120.740



73, 23.927, 303.163

Rectangle

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



84, 23.020, 120.740



84, 23.020, 170.740



84, 23.020, 300.740



84, 23.020, 350.740

Sweetspot

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



84, 23.022, 120.743



99, 7.940, 121.559



77, 13.676, 50.276



53, 5.267, 121.521



0, 0.000, 0.000



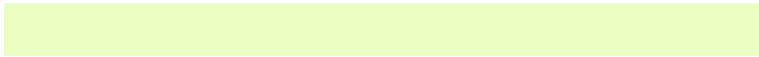
53, 0.007, 296.813

Same Dimension

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



84, 23.022, 120.743



97, 31.680, 120.494



83, 26.099, 137.825



45, 6.522, 121.364



64, 75.730, 119.912



16, 26.121, 120.717

Inverse Universe

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



73, 23.927, 303.163



82, 33.217, 303.475



75, 26.349, 319.693



42, 6.645, 302.446



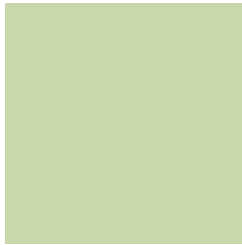
22, 96.085, 308.410



2, 28.079, 301.657

Previews

White Background



This preview shows how the CIELCh color 84, 23.020, 120.740 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 CIE LCh color 84, 23.020, 120.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

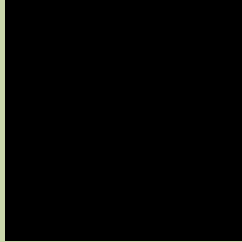
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

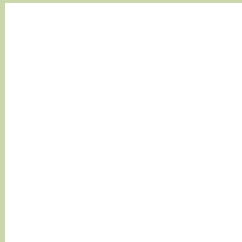
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 23.020, 120.740

Background



This preview shows how black text looks on a background with the CIELCh color 84, 23.020, 120.740.



This preview shows how white text looks on a background with the CIELCh color 84, 23.020, 120.740.

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](#).

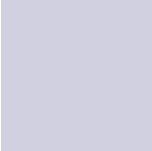
Dichromacy



Original Color
84, 23.020, 120.740

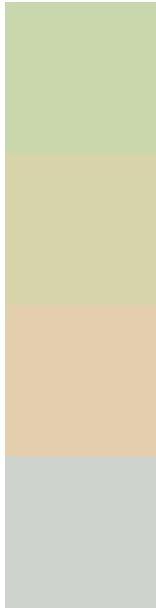
Protanopia
84, 21.570, 94.661

Deuteranopia
84, 21.328, 59.740



Tritanopia
84, 8.460, 293.289

Trichromacy



Original Color
84, 23.020, 120.740

Protanomaly
84, 21.496, 104.147

Deuteranomaly
84, 18.744, 82.717

Tritanomaly
84, 3.655, 139.731

Monochromacy



Original Color
84, 23.020, 120.740

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 8.041, 120.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 23.020, 120.740 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(202, 215, 172)` looks like.

```
.text, #text, p{  
    color:rgb(202, 215, 172)  
}
```

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(202, 215, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 215, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 23.020, 120.740 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(202, 215, 172) }
```

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

```
.border{ border-color:rgb(202, 215, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 215, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 215, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 215, 172);  
box-shadow:4px 4px 4px 4px rgb(202, 215,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 23.020, 120.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 215, 172) }
```

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

```
.background{ background-color: rgb(202,  
215, 172) }
```

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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