

Converting Colors

CIELCh(87, 23.678, 114.307)

Have a look what the booklet for
CIELCh(87, 23.678, 114.307)
contains.

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Color

CIELCh(87, 23.444, 113.849)

Conversions

Conversions Part 1

Format	Color
Hex	D8DEB1
RGB	216, 222, 177
RGB Percent	85%, 87%, 69%
CMY	0.1530, 0.1294, 0.3059
CMYK	0.03, 0.00, 0.20, 0.13
HSL	68°, 41%, 78%
HSV	68°, 20%, 87%
XYZ	62.3673, 70.0064, 51.8139
YIQ	215.0760, 10.8690, -15.2670

Conversions

Conversions Part 2

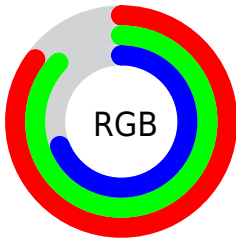
Format	Color
RYB	177, 222, 183
Decimal	14212785
CIELab	87.00, -9.48, 21.44
CIELCh	87, 23.444, 113.849
Yxy	70.0064, 0.3386, 0.3801
Android (android.graphics.Color)	4292402865 (0xFFD8DEB1)
YUV	215.0760, -18.7715, 0.8103
Hunter-Lab	83.6698, -13.3686, 21.8526

Details

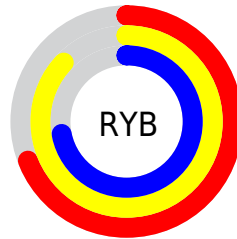
The CIELCh color **87, 23.444, 113.849** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **74, 24.540, 297.203**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 11.136, 109.335**, and **67, 23.578, 113.724** is the 20% darker color. If you saturate the color by 10%, you get **86, 34.816, 113.079**, and if you desaturate by 10%, it is **88, 11.914, 114.629**.

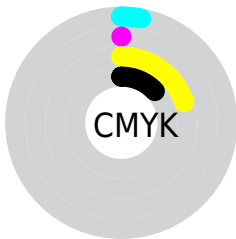
Distribution



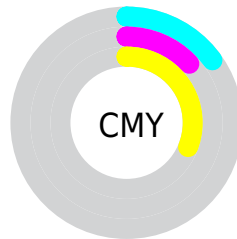
- Red (85%)
- Green (87%)
- Blue (69%)



- Red (69%)
- Yellow (87%)
- Blue (72%)



- Cyan (3%)
- Magenta (0%)
- Yellow (20%)
- Black (13%)



- Cyan (15%)
- Magenta (13%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 23.444, 113.849 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 87, 23.444, 113.849 by changing the saturation by 10% instead.

 87, 23.444,
113.849

 87, 23.444,
113.849

 100, 23.444,
113.849

 77, 23.444,
113.849

 67, 23.444,
113.849

 57, 23.444,
113.849

 47, 23.444,
113.849

 37, 23.444,
113.849

 27, 23.444,
113.849

 17, 23.444,

113.849

■ 7, 23.444, 113.849

■ 0, 23.444, 113.849

■ 87, 23.444,
113.849

■ 87, 23.444,
113.849

■ 86, 34.816,
113.079

■ 88, 11.914,
114.629

■ 86, 45.891,
112.330

■ 88, 0.306, 115.345

■ 85, 56.469,
111.640

■ 89, 11.317,
296.134

■ 85, 66.245,
111.053

■ 90, 17.339,
298.108

■ 85, 74.787,

■ 90, 17.492,
301.391

110.634

90, 17.700,
304.627

84, 81.557,
110.457

91, 17.962,
307.797

84, 86.064,
110.596

91, 18.277,
310.885

84, 88.374,
111.027

91, 18.642,
313.878

Harmonies

Complementary

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



87, 23.444, 113.849



74, 24.540, 297.203

Rectangle

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



87, 23.444, 113.849



87, 23.444, 163.849



87, 23.444, 293.849



87, 23.444, 343.849

Sweetspot

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



87, 23.446, 113.853



99, 7.788, 114.953



78, 15.518, 32.399



53, 5.166, 114.903



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 23.446, 113.853



98, 31.004, 113.549



85, 25.838, 132.690



47, 6.644, 114.692



68, 74.262, 110.907



19, 28.141, 111.286

Inverse Universe

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



74, 24.540, 297.203



81, 32.767, 297.615



76, 26.343, 314.448



43, 6.789, 296.180



21, 100.467, 306.805



2, 31.860, 299.056

Previews

White Background



This preview shows how the CIELCh color 87, 23.444, 113.849 looks on a white background.

Color Contrast Check

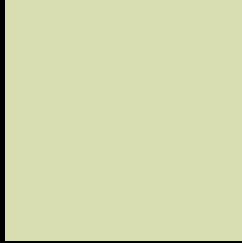
Large Text (above 18pt) WCAG AA × Fail

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 87, 23.444, 113.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

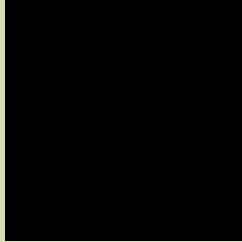
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

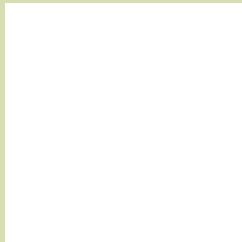
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 23.444, 113.849

Background



This preview shows how black text looks on a background with the CIELCh color 87, 23.444, 113.849.



This preview shows how white text looks on a background with the CIELCh color 87, 23.444, 113.849.

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](#).

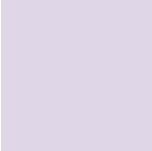
Dichromacy



Original Color
87, 23.444, 113.849

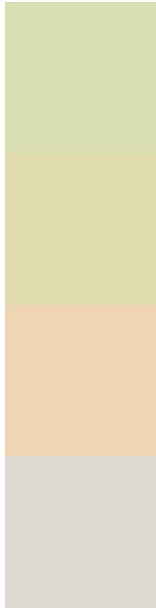
Protanopia
87, 22.524, 94.283

Deuteranopia
87, 22.855, 61.296



Tritanopia
87, 8.885, 309.361

Trichromacy



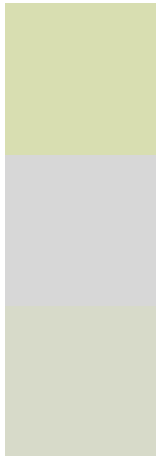
Original Color
87, 23.444, 113.849

Protanomaly
87, 22.489, 101.347

Deuteranomaly
87, 20.746, 80.583

Tritanomaly
87, 3.710, 98.519

Monochromacy



Original Color
87, 23.444, 113.849

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 8.947, 116.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 23.444, 113.849 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, 222, 177)` looks like.

```
.text, #text, p{  
    color:rgb(216, 222, 177)  
}
```

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, 222, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 222, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 23.444, 113.849 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, 222, 177) }
```

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

```
.border{ border-color:rgb(216, 222, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 222, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 222, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 222, 177);  
box-shadow:4px 4px 4px 4px rgb(216, 222,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 23.444, 113.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 222, 177) }
```

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

```
.background{ background-color: rgb(216,  
222, 177) }
```

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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