

Converting Colors

CIELCh(83, 24.563, 93.071)

Have a look what the booklet for
CIELCh(83, 24.563, 93.071) contains.

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Color

CIELCh(83, 24.472, 93.017)

Conversions

Conversions Part 1

Format	Color
Hex	DECEA1
RGB	222, 206, 161
RGB Percent	87%, 81%, 63%
CMY	0.1299, 0.1926, 0.3691
CMYK	0.00, 0.07, 0.27, 0.13
HSL	44°, 48%, 75%
HSV	44°, 27%, 87%
XYZ	58.5506, 62.1629, 42.5767
YIQ	205.6540, 23.9810, -10.6030

Conversions

Conversions Part 2

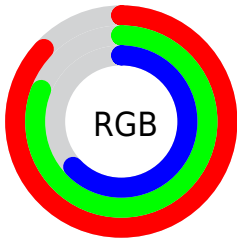
Format	Color
RYB	183, 222, 161
Decimal	14601889
CIELab	83.00, -1.29, 24.44
CIELCh	83, 24.472, 93.017
Yxy	62.1629, 0.3586, 0.3807
Android (android.graphics.Color)	4292791969 (0xFFDECEA1)
YUV	205.6540, -22.0144, 14.3354
Hunter-Lab	78.8435, -5.4187, 23.1729

Details

The CIELCh color **83, 24.472, 93.017** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 24.863, 280.400**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 19.713, 108.686**, and **63, 24.576, 93.401** is the 20% darker color. If you saturate the color by 10%, you get **81, 33.515, 91.728**, and if you desaturate by 10%, it is **85, 15.478, 94.280**.

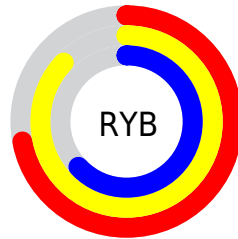
Distribution



Red (87%)

Green (81%)

Blue (63%)



Red (72%)

Yellow (87%)

Blue (63%)

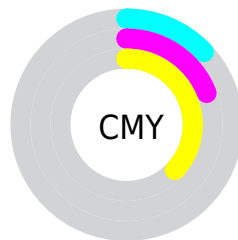


Cyan (0%)

Magenta (7%)

Yellow (27%)

Black (13%)



Cyan (13%)

Magenta (19%)

Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 24.472, 93.017 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 83, 24.472, 93.017 by changing the saturation by 10% instead.

 83, 24.472, 93.017

 83, 24.472, 93.017

 100, 24.472,
93.017

 73, 24.472, 93.017

 63, 24.472, 93.017

 53, 24.472, 93.017

 43, 24.472, 93.017

 33, 24.472, 93.017

 23, 24.472, 93.017

 13, 24.472, 93.017

 3, 24.472, 93.017

 0, 24.472, 93.017

83, 24.472, 93.017

83, 24.472, 93.017

81, 33.515, 91.728

85, 15.478, 94.280

79, 42.504, 90.400

87, 6.578, 95.485

78, 51.257, 89.036

89, 2.203, 276.792

76, 59.454, 87.623

91, 10.857,
277.848

74, 66.562, 86.123

93, 11.154,
267.675

73, 71.836, 84.458

71, 74.619, 82.515

94, 9.592, 249.029

71, 75.134, 82.009

96, 9.303, 226.648

97, 10.374,
206.146

98, 11.194,
198.759

Harmonies

Complementary

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



83, 24.472, 93.017



72, 24.863, 280.400

Rectangle

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



83, 24.472, 93.017



83, 24.472, 143.017



83, 24.472, 273.017



83, 24.472, 323.017

Sweetspot

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



83, 24.473, 93.023



98, 7.870, 95.418



72, 24.975, 1.322



52, 5.600, 95.240



0, 0.000, 0.000



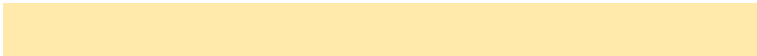
53, 0.007, 296.813

Same Dimension

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



83, 24.473, 93.023



93, 32.978, 92.280



86, 32.016, 117.490



46, 5.042, 95.255



57, 63.255, 82.382



15, 21.916, 85.457

Inverse Universe

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



72, 24.863, 280.400



78, 33.657, 281.475



69, 33.965, 301.377



44, 5.075, 277.614



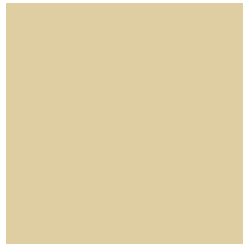
27, 81.894, 299.985



4, 25.903, 289.414

Previews

White Background



This preview shows how the CIELCh color 83, 24.472, 93.017 looks on a white background.

Color Contrast Check

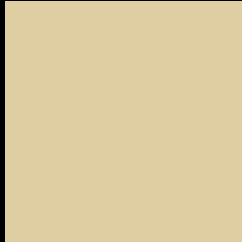
Large Text (above 18pt) WCAG AA × Fail

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 83, 24.472, 93.017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

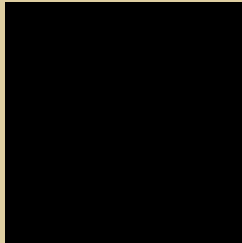
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 24.472, 93.017

Background



This preview shows how black text looks on a background with the CIELCh color 83, 24.472, 93.017.

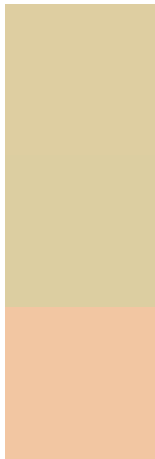


This preview shows how white text looks on a background with the CIELCh color 83, 24.472, 93.017.

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

83, 24.472, 93.017

Protanopia

83, 24.270, 94.840

Deuteranopia

83, 26.198, 65.997



Tritanopia
83, 13.239, 343.767

Trichromacy



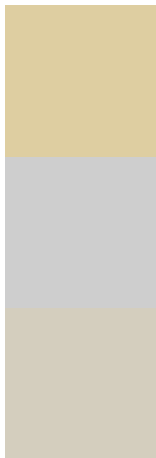
Original Color
83, 24.472, 93.017

Protanomaly
83, 24.367, 93.925

Deuteranomaly
83, 24.793, 75.023

Tritanomaly
83, 9.776, 42.048

Monochromacy



Original Color
83, 24.472, 93.017

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 8.710, 94.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 24.472, 93.017 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(222, 206, 161)` looks like.

```
.text, #text, p{  
    color:rgb(222, 206, 161)  
}
```

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(222, 206, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 206, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 24.472, 93.017 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(222, 206, 161) }
```

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

```
.border{ border-color:rgb(222, 206, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 206, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 206, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 206, 161); box-shadow:4px 4px 4px 4px rgb(222, 206, 161) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 24.472, 93.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 206, 161) }
```

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

```
.background{ background-color: rgb(222,  
206, 161) }
```

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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