

Converting Colors

CIELCh(81, 21.978, 84.818)

Have a look what the booklet for
CIELCh(81, 21.978, 84.818) contains.

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Color

CIELCh(81, 22.446, 85.290)

Conversions

Conversions Part 1

Format	Color
Hex	DDC7A0
RGB	221, 199, 160
RGB Percent	87%, 78%, 63%
CMY	0.1351, 0.2213, 0.3742
CMYK	0.00, 0.10, 0.28, 0.14
HSL	38°, 47%, 75%
HSV	38°, 28%, 86%
XYZ	56.3132, 58.4711, 41.3824
YIQ	201.1320, 25.6310, -7.4650

Conversions

Conversions Part 2

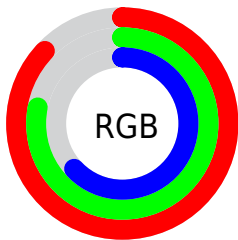
Format	Color
RYB	194, 221, 160
Decimal	14534560
CIELab	81.00, 1.84, 22.37
CIELCh	81, 22.446, 85.290
Yxy	58.4711, 0.3606, 0.3744
Android (android.graphics.Color)	4292724640 (0xFFDDC7A0)
YUV	201.1320, -20.2781, 17.4242
Hunter-Lab	76.4664, -2.3609, 21.4396

Details

The CIELCh color **81, 22.446, 85.290** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 22.093, 273.150**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 20.216, 108.647**, and **61, 22.480, 85.271** is the 20% darker color. If you saturate the color by 10%, you get **79, 30.915, 83.928**, and if you desaturate by 10%, it is **83, 14.151, 86.623**.

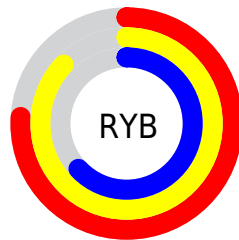
Distribution



Red (87%)

Green (78%)

Blue (63%)



Red (76%)

Yellow (87%)

Blue (63%)

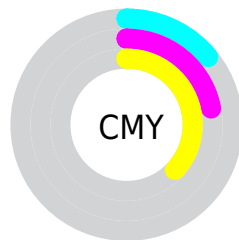


Cyan (0%)

Magenta (10%)

Yellow (28%)

Black (14%)



Cyan (14%)

Magenta (22%)

Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 22.446, 85.290 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 81, 22.446, 85.290 by changing the saturation by 10% instead.

 81, 22.446, 85.290

 81, 22.446, 85.290

 100, 22.446,
85.290

 71, 22.446, 85.290

 61, 22.446, 85.290

 51, 22.446, 85.290

 41, 22.446, 85.290

 31, 22.446, 85.290

 21, 22.446, 85.290

 11, 22.446, 85.290

 1, 22.446, 85.290

 0, 22.446, 85.290

81, 22.446, 85.290

81, 22.446, 85.290

79, 30.915, 83.928

83, 14.151, 86.623

76, 39.491, 82.516

86, 6.050, 87.888

74, 48.039, 81.052

89, 1.853, 269.331

72, 56.291, 79.504

91, 9.567, 270.406

70, 63.760, 77.798

93, 10.357,
255.528

68, 69.675, 75.794

95, 9.663, 226.659

66, 73.250, 73.296

97, 11.361,
200.747

65, 73.951, 72.688

98, 11.624,
198.729

Harmonies

Complementary

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



81, 22.446, 85.290



73, 22.093, 273.150

Rectangle

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



81, 22.446, 85.290



81, 22.446, 135.290



81, 22.446, 265.290



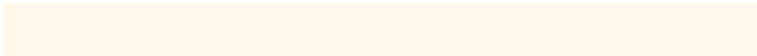
81, 22.446, 315.290

Sweetspot

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



81, 22.447, 85.297



98, 7.127, 87.837



72, 26.055, 354.399



52, 5.075, 87.650



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 22.447, 85.297



91, 30.341, 84.532



86, 31.682, 113.277



45, 4.483, 87.669



52, 61.787, 73.236



12, 19.165, 75.700

Inverse Universe

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



73, 22.093, 273.150



81, 29.769, 274.262



68, 33.784, 297.995



43, 4.469, 270.175



31, 69.734, 294.828



5, 21.950, 284.051

Previews

White Background



This preview shows how the CIELCh color 81, 22.446, 85.290 looks on a white background.

Color Contrast Check

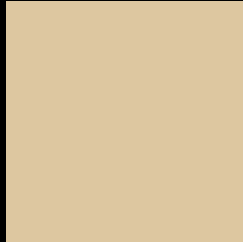
Large Text (above 18pt) WCAG AA × Fail

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 81, 22.446, 85.290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

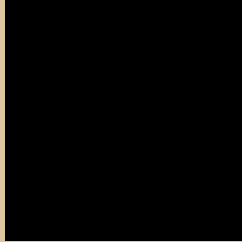
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 22.446, 85.290

Background



This preview shows how black text looks on a background with the CIELCh color 81, 22.446, 85.290.



This preview shows how white text looks on a background with the CIELCh color 81, 22.446, 85.290.

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

81, 22.446, 85.290

Protanopia

81, 21.728, 94.557

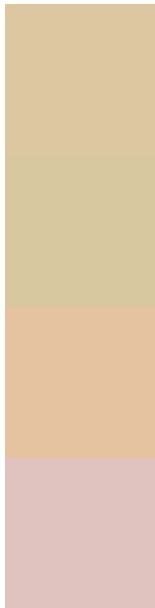
Deuteranopia

81, 23.850, 64.953



Tritanopia
81, 14.847, 348.288

Trichromacy



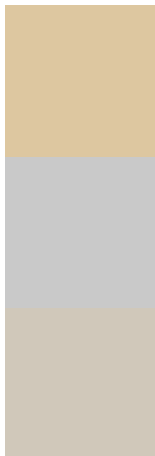
Original Color
81, 22.446, 85.290

Protanomaly
81, 22.073, 91.516

Deuteranomaly
81, 23.164, 72.407

Tritanomaly
81, 11.599, 30.699

Monochromacy



Original Color
81, 22.446, 85.290

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 7.990, 87.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 22.446, 85.290 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(221, 199, 160)` looks like.

```
.text, #text, p{  
    color:rgb(221, 199, 160)  
}
```

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(221, 199, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 199, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 22.446, 85.290 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(221, 199, 160) }
```

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

```
.border{ border-color:rgb(221, 199, 160) }
```

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

Here you see how a box with a 4 pixel rgb(221, 199, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 199, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 199, 160);  
box-shadow:4px 4px 4px 4px rgb(221, 199,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 22.446, 85.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 199, 160) }
```

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

```
.background{ background-color: rgb(221,  
199, 160) }
```

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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