

Converting Colors

CIELCh(82, 21.411, 90.677)

Have a look what the booklet for
CIELCh(82, 21.411, 90.677) contains.

CIELCh(82, 21.507, 91.229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(82, 21.507, 91.229)

Conversions

Conversions Part 1

Format	Color
Hex	DBCBA4
RGB	219, 203, 164
RGB Percent	86%, 80%, 64%
CMY	0.1421, 0.2048, 0.3577
CMYK	0.00, 0.07, 0.25, 0.14
HSL	43°, 43%, 75%
HSV	43°, 25%, 86%
XYZ	57.1241, 60.2982, 43.6439
YIQ	203.3380, 22.0550, -8.7370

Conversions

Conversions Part 2

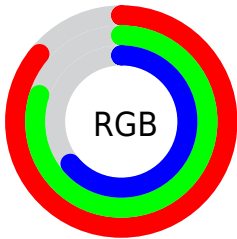
Format	Color
RYB	187, 219, 164
Decimal	14404516
CIELab	82.00, -0.46, 21.50
CIElCh	82, 21.507, 91.229
Yxy	60.2982, 0.3547, 0.3744
Android (android.graphics.Color)	4292594596 (0xFFDBCBA4)
YUV	203.3380, -19.3936, 13.7356
Hunter-Lab	77.6519, -4.5786, 21.0327

Details

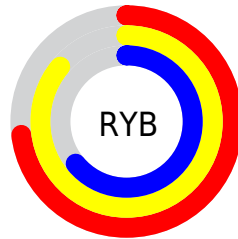
The CIELCh color **82, 21.507, 91.229** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 21.653, 278.028**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 18.203, 108.801**, and **62, 21.465, 91.727** is the 20% darker color. If you saturate the color by 10%, you get **80, 30.262, 89.922**, and if you desaturate by 10%, it is **84, 12.848, 92.507**.

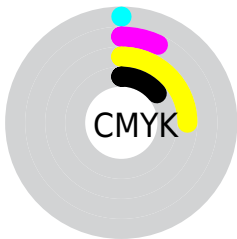
Distribution



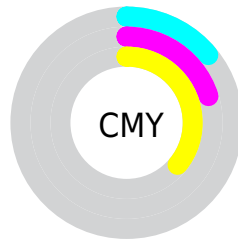
- Red (86%)
- Green (80%)
- Blue (64%)



- Red (73%)
- Yellow (86%)
- Blue (64%)



- Cyan (0%)
- Magenta (7%)
- Yellow (25%)
- Black (14%)



- Cyan (14%)
- Magenta (20%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 21.507, 91.229 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 82, 21.507, 91.229 by changing the saturation by 10% instead.

■ 82, 21.507, 91.229

■ 82, 21.507, 91.229

■ 100, 21.507,
91.229

■ 72, 21.507, 91.229

■ 62, 21.507, 91.229

■ 52, 21.507, 91.229

■ 42, 21.507, 91.229

■ 32, 21.507, 91.229

■ 22, 21.507, 91.229

■ 12, 21.507, 91.229

■ 2, 21.507, 91.229

■ 0, 21.507, 91.229

82, 21.507, 91.229

82, 21.507, 91.229

80, 30.262, 89.922

84, 12.848, 92.507

78, 39.036, 88.570

86, 4.317, 93.708

76, 47.687, 87.178

88, 4.074, 275.007

74, 55.950, 85.730

91, 12.322,
276.111

72, 63.368, 84.186

92, 11.699,
263.996

71, 69.246, 82.464

69, 72.781, 80.425

94, 10.261,
244.109

68, 73.861, 79.343

96, 10.293,
221.533

97, 11.755,
202.064

98, 12.203,

Harmonies

Complementary

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



82, 21.507, 91.229



73, 21.653, 278.028

Rectangle

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



82, 21.507, 91.229



82, 21.507, 141.229



82, 21.507, 271.229



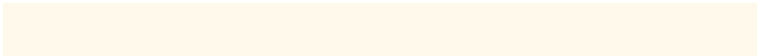
82, 21.507, 321.229

Sweetspot

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



82, 21.508, 91.236



98, 7.641, 93.370



73, 22.770, 358.627



52, 5.438, 93.188



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 21.508, 91.236



93, 29.174, 90.567



85, 28.853, 116.270



45, 4.804, 93.206



55, 62.155, 79.769



13, 20.113, 82.892

Inverse Universe

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



73, 21.653, 278.028



81, 29.427, 278.959



70, 30.487, 300.012



43, 4.824, 275.610



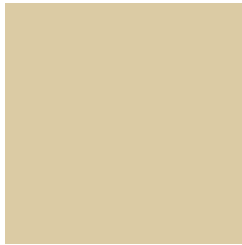
28, 77.765, 298.645



4, 23.646, 287.204

Previews

White Background



This preview shows how the CIELCh color 82, 21.507, 91.229 looks on a white background.

Color Contrast Check

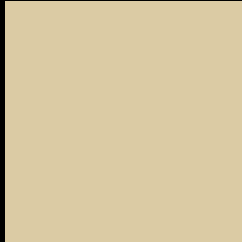
Large Text (above 18pt) WCAG AA × Fail

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 82, 21.507, 91.229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

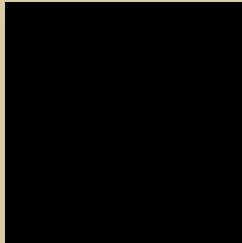
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 21.507, 91.229

Background



This preview shows how black text looks on a background with the CIELCh color 82, 21.507, 91.229.



This preview shows how white text looks on a background with the CIELCh color 82, 21.507, 91.229.

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


82, 21.507, 91.229

Protanopia

82, 21.576, 95.622

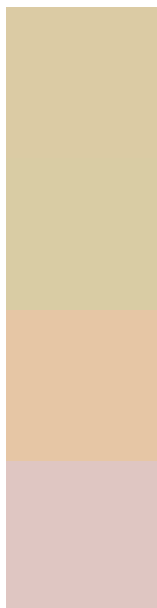
Deuteranopia

82, 23.367, 64.188



Tritanopia
82, 13.586, 341.978

Trichromacy



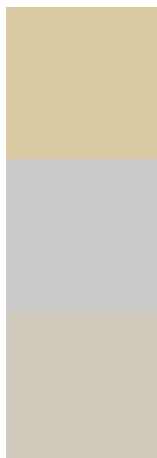
Original Color
82, 21.507, 91.229

Protanomaly
82, 21.668, 94.597

Deuteranomaly
82, 21.714, 72.691

Tritanomaly
82, 9.658, 32.640

Monochromacy



Original Color
82, 21.507, 91.229

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 7.716, 92.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 21.507, 91.229 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(219, 203, 164)` looks like.

```
.text, #text, p{  
    color:rgb(219, 203, 164)  
}
```

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(219, 203, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 203, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 21.507, 91.229 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(219, 203, 164) }
```

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

```
.border{ border-color:rgb(219, 203, 164) }
```

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

Here you see how a box with a 4 pixel rgb(219, 203, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 203, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 203, 164);  
box-shadow:4px 4px 4px 4px rgb(219, 203,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 21.507, 91.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 203, 164) }
```

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

```
.background{ background-color: rgb(219,  
203, 164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor