

Converting Colors

CIELCh(85, 21.505, 78.390)

Have a look what the booklet for
CIELCh(85, 21.505, 78.390) contains.

CIELCh(85, 21.474, 77.710)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(85, 21.474, 77.710)

Conversions

Conversions Part 1

Format	Color
Hex	ECD0AD
RGB	236, 208, 173
RGB Percent	93%, 82%, 68%
CMY	0.0742, 0.1840, 0.3213
CMYK	0.00, 0.12, 0.27, 0.07
HSL	33°, 62%, 80%
HSV	33°, 27%, 93%
XYZ	64.7347, 66.0070, 48.8959
YIQ	212.3820, 27.9230, -4.9490

Conversions

Conversions Part 2

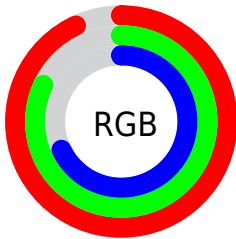
Format	Color
R _Y B	223, 236, 173
Decimal	15519917
CIE Lab	85.00, 4.57, 20.98
CIE LCh	85, 21.474, 77.710
Yxy	66.0070, 0.3604, 0.3674
Android (android.graphics.Color)	4293709997 (0xFFECD0AD)
YUV	212.3820, -19.4153, 20.7130
Hunter-Lab	81.2447, 0.0481, 21.1885

Details

The CIELCh color **85, 21.474, 77.710** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **80, 20.460, 265.366**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 13.158, 109.183**, and **65, 21.203, 78.314** is the 20% darker color. If you saturate the color by 10%, you get **82, 30.080, 76.370**, and if you desaturate by 10%, it is **88, 13.174, 79.031**.

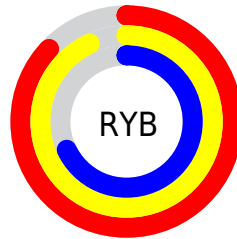
Distribution



Red (93%)

Green (82%)

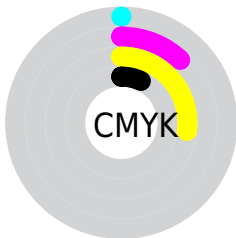
Blue (68%)



Red (87%)

Yellow (93%)

Blue (68%)

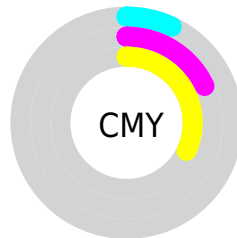


Cyan (0%)

Magenta (12%)

Yellow (27%)

Black (7%)



Cyan (7%)

Magenta (18%)

Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 21.474, 77.710 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 85, 21.474, 77.710 by changing the saturation by 10% instead.

 85, 21.474, 77.710

 85, 21.474, 77.710

 100, 21.474,
77.710

 75, 21.474, 77.710

 65, 21.474, 77.710

 55, 21.474, 77.710

 45, 21.474, 77.710

 35, 21.474, 77.710

 25, 21.474, 77.710

 15, 21.474, 77.710

 5, 21.474, 77.710

 0, 21.474, 77.710

85, 21.474, 77.710

85, 21.474, 77.710

82, 30.080, 76.370

88, 13.174, 79.031

79, 38.959, 74.991

91, 5.178, 80.280

76, 48.014, 73.569

94, 2.532, 261.750

73, 57.027, 72.068

97, 5.377, 227.470

71, 65.551, 70.398

99, 6.492, 199.096

68, 72.793, 68.374

66, 77.709, 65.700

65, 79.026, 64.751

Harmonies

Complementary

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



85, 21.474, 77.710



80, 20.460, 265.366

Rectangle

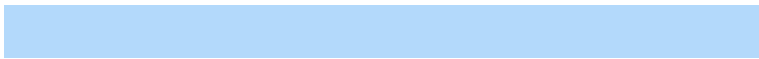
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 21.474, 77.710



85, 21.474, 127.710



85, 21.474, 257.710



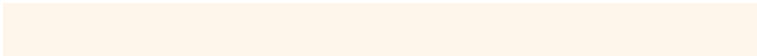
85, 21.474, 307.710

Sweetspot

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



85, 21.475, 77.718



97, 6.611, 80.120



77, 27.757, 349.020



51, 4.713, 79.936



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 21.475, 77.718



89, 27.694, 76.988



92, 32.179, 109.758



48, 4.400, 79.946



51, 64.641, 65.421



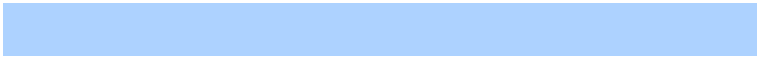
14, 22.316, 66.936

Inverse Universe

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



80, 20.460, 265.366



83, 26.098, 266.461



73, 34.304, 295.074



47, 4.339, 262.514



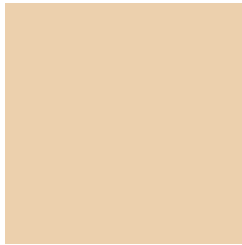
36, 62.168, 288.993



8, 22.678, 281.366

Previews

White Background



This preview shows how the CIELCh color 85, 21.474, 77.710 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 85, 21.474, 77.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

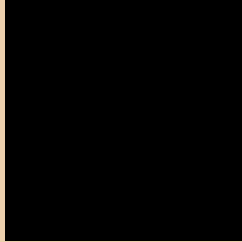
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 21.474, 77.710

Background



This preview shows how black text looks on a background with the CIELCh color 85, 21.474, 77.710.



This preview shows how white text looks on a background with the CIELCh color 85, 21.474, 77.710.

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
85, 21.474, 77.710

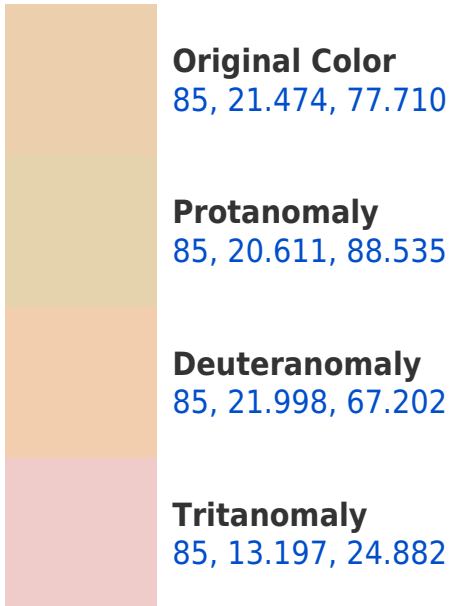
Protanopia
85, 19.994, 93.843

Deuteranopia
85, 23.061, 62.771

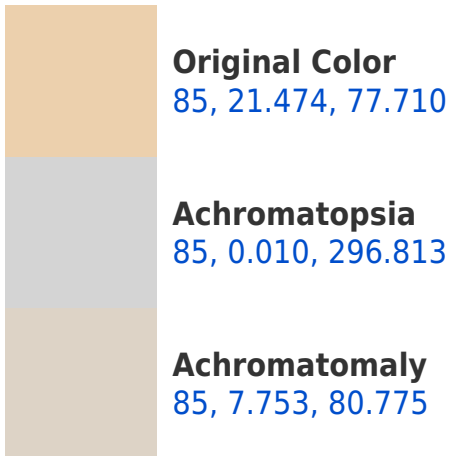


Tritanopia
85, 16.542, 350.288

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 21.474, 77.710 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(236, 208, 173)` looks like.

```
.text, #text, p{  
    color:rgb(236, 208, 173)  
}
```

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(236, 208, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 208, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 21.474, 77.710 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(236, 208, 173) }
```

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

```
.border{ border-color:rgb(236, 208, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 208, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 208, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 208, 173);  
box-shadow:4px 4px 4px 4px rgb(236, 208,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 21.474, 77.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 208, 173) }
```

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

```
.background{ background-color: rgb(236,  
208, 173) }
```

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