

Converting Colors

CIELCh(77, 39.403, 84.955)

Have a look what the booklet for
CIELCh(77, 39.403, 84.955) contains.

CIELCh(77, 39.521, 85.199)	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(77, 39.521, 85.199)

Conversions

Conversions Part 1

Format	Color
Hex	DCBA75
RGB	220, 186, 117
RGB Percent	86%, 73%, 46%
CMY	0.1378, 0.2711, 0.5417
CMYK	0.00, 0.15, 0.47, 0.14
HSL	40°, 59%, 66%
HSV	40°, 47%, 86%
XYZ	50.2019, 51.5317, 24.0892
YIQ	188.3000, 42.4130, -14.2510

Conversions

Conversions Part 2

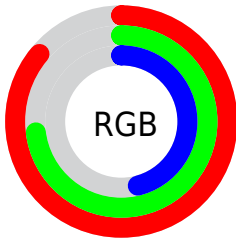
Format	Color
RYB	168, 220, 117
Decimal	14465653
CIELab	77.00, 3.31, 39.38
CIELCh	77, 39.521, 85.199
Yxy	51.5317, 0.3990, 0.4096
Android (android.graphics.Color)	4292655733 (0xFFDCBA75)
YUV	188.3000, -35.1509, 27.8009
Hunter-Lab	71.7856, -0.7943, 30.3539

Details

The CIELCh color **77, 39.521, 85.199** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63, 39.383, 279.753**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 36.861, 99.311**, and **57, 39.488, 85.076** is the 20% darker color. If you saturate the color by 10%, you get **75, 48.092, 83.762**, and if you desaturate by 10%, it is **79, 30.874, 86.596**.

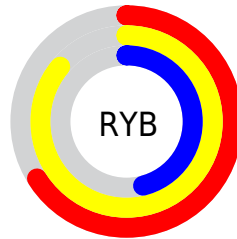
Distribution



Red (86%)

Green (73%)

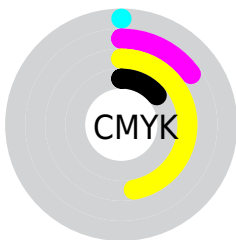
Blue (46%)



Red (66%)

Yellow (86%)

Blue (46%)

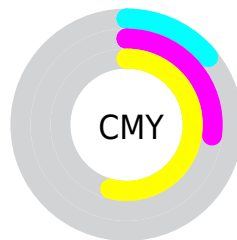


Cyan (0%)

Magenta (15%)

Yellow (47%)

Black (14%)



Cyan (14%)

Magenta (27%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 39.521, 85.199 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 77, 39.521, 85.199 by changing the saturation by 10% instead.

■ 77, 39.521, 85.199

■ 77, 39.521, 85.199

■ 100, 39.521,
85.199

■ 67, 39.521, 85.199

■ 97, 39.521, 85.199

■ 57, 39.521, 85.199

■ 47, 39.521, 85.199

■ 37, 39.521, 85.199

■ 27, 39.521, 85.199

■ 17, 39.521, 85.199

■ 7, 39.521, 85.199

■ 0, 39.521, 85.199

■ 77, 39.521, 85.199

■ 77, 39.521, 85.199

75, 48.092, 83.762

79, 30.874, 86.596

73, 56.313, 82.246

81, 22.291, 87.948

71, 63.704, 80.598

84, 13.843, 89.256

69, 69.521, 78.700

86, 5.559, 90.500

67, 72.960, 76.376

88, 2.553, 271.873

67, 73.788, 75.602

91, 10.498,
272.973

93, 10.911,
259.710

95, 9.791, 234.755

97, 10.688,
209.443

Harmonies

Complementary

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



77, 39.521, 85.199



63, 39.383, 279.753

Rectangle

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



77, 39.521, 85.199



77, 39.521, 135.199



77, 39.521, 265.199



77, 39.521, 315.199

Sweetspot

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



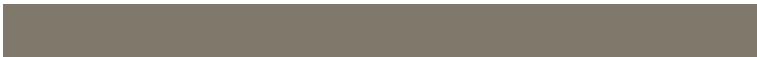
77, 39.522, 85.203



96, 12.940, 89.603



62, 43.890, 359.658



51, 8.955, 89.326



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 39.522, 85.203



86, 53.437, 83.817



85, 52.680, 113.365



45, 4.618, 90.188



53, 61.831, 76.100



13, 19.539, 78.938

Inverse Universe

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



63, 39.383, 279.753



66, 53.602, 282.341



55, 59.317, 301.416



43, 4.619, 272.654



29, 73.284, 296.614



5, 22.716, 285.549

Previews

White Background



This preview shows how the CIELCh color 77, 39.521, 85.199 looks on a white background.

Color Contrast Check

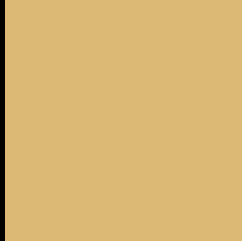
Large Text (above 18pt) WCAG AA × Fail

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 77, 39.521, 85.199 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 77, 39.521, 85.199

Background



This preview shows how black text looks on a background with the CIELCh color 77, 39.521, 85.199.



This preview shows how white text looks on a background with the CIELCh color 77, 39.521, 85.199.

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


77, 39.521, 85.199

Protanopia

77, 38.253, 95.193

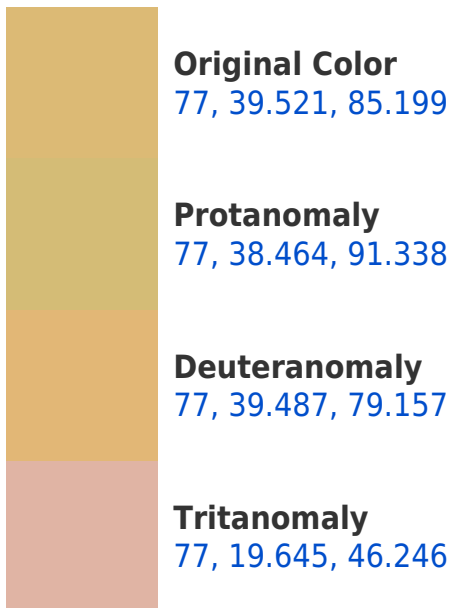
Deuteranopia

77, 40.208, 76.214



Tritanopia
77, 20.290, 359.653

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 39.521, 85.199 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(220, 186, 117)` looks like.

```
.text, #text, p{  
    color:rgb(220, 186, 117)  
}
```

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(220, 186, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 186, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 39.521, 85.199 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(220, 186, 117) }
```

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

```
.border{ border-color:rgb(220, 186, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 186, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 186, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 186, 117);  
box-shadow:4px 4px 4px 4px rgb(220, 186,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 39.521, 85.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 186, 117) }
```

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

```
.background{ background-color: rgb(220,  
186, 117) }
```

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