

Converting Colors

CIELCh(75, 42.214, 85.675)

Have a look what the booklet for
CIELCh(75, 42.214, 85.675) contains.

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Color

CIELCh(75, 42.335, 85.395)

Conversions

Conversions Part 1

Format	Color
Hex	D7B46A
RGB	215, 180, 106
RGB Percent	84%, 71%, 42%
CMY	0.1558, 0.2931, 0.5834
CMYK	0.00, 0.16, 0.51, 0.16
HSL	41°, 58%, 63%
HSV	41°, 51%, 84%
XYZ	47.0901, 48.2781, 20.5371
YIQ	182.0290, 44.6140, -15.5940

Conversions

Conversions Part 2

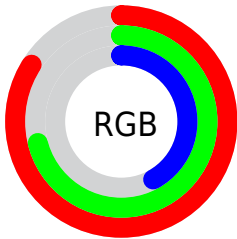
Format	Color
RYB	158, 215, 106
Decimal	14136426
CIELab	75.00, 3.40, 42.20
CIELCh	75, 42.335, 85.395
Yxy	48.2781, 0.4063, 0.4165
Android (android.graphics.Color)	4292326506 (0xFFD7B46A)
YUV	182.0290, -37.4823, 28.9156
Hunter-Lab	69.4824, -0.6200, 31.1132

Details

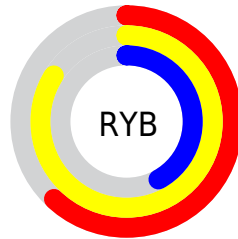
The CIELCh color **75, 42.335, 85.395** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **59, 42.527, 281.366**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.900, 96.051**, and **55, 42.302, 84.977** is the 20% darker color. If you saturate the color by 10%, you get **73, 50.678, 83.944**, and if you desaturate by 10%, it is **77, 33.816, 86.800**.

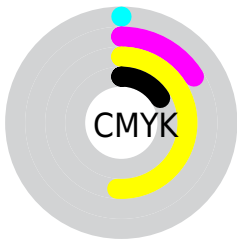
Distribution



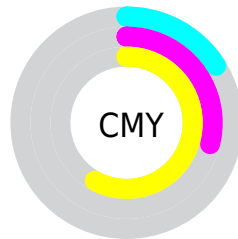
- Red (84%)
- Green (71%)
- Blue (42%)



- Red (62%)
- Yellow (84%)
- Blue (42%)



- Cyan (0%)
- Magenta (16%)
- Yellow (51%)
- Black (16%)



- Cyan (16%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 42.335, 85.395 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 75, 42.335, 85.395 by changing the saturation by 10% instead.

 75, 42.335, 85.395

 75, 42.335, 85.395

 100, 42.335,
85.395

 65, 42.335, 85.395

 95, 42.335, 85.395

 55, 42.335, 85.395

 45, 42.335, 85.395

 35, 42.335, 85.395

 25, 42.335, 85.395

 15, 42.335, 85.395

 5, 42.335, 85.395

 0, 42.335, 85.395

 75, 42.335, 85.395

 75, 42.335, 85.395

73, 50.678, 83.944

77, 33.816, 86.800

71, 58.505, 82.402

79, 25.303, 88.159

69, 65.246, 80.700

81, 16.890, 89.477

67, 70.101, 78.701

84, 8.620, 90.745

66, 72.678, 76.489

86, 0.511, 91.529

88, 7.438, 273.231

91, 14.284,
273.036

92, 11.978,
256.429

94, 11.022,
234.893

Harmonies

Complementary

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



75, 42.335, 85.395



59, 42.527, 281.366

Rectangle

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



75, 42.335, 85.395



75, 42.335, 135.395



75, 42.335, 265.395



75, 42.335, 315.395

Sweetspot

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



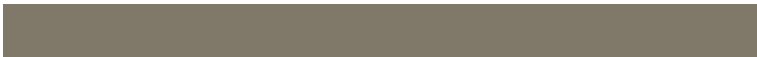
75, 42.335, 85.399



96, 13.999, 90.182



59, 46.588, 0.390



51, 9.571, 89.912



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 42.335, 85.399



85, 58.456, 83.804



83, 55.657, 113.134



44, 4.570, 90.896



53, 61.206, 76.967



12, 18.319, 79.911

Inverse Universe

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



59, 42.527, 281.366



63, 59.463, 284.465



51, 63.451, 301.918



42, 4.575, 273.342



29, 73.413, 297.058



4, 21.447, 284.799

Previews

White Background



This preview shows how the CIELCh color 75, 42.335, 85.395 looks on a white background.

Color Contrast Check

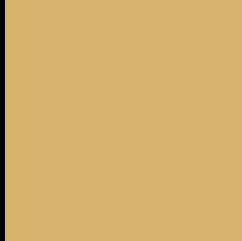
Large Text (above 18pt) WCAG AA × Fail

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 75, 42.335, 85.395 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 75, 42.335, 85.395

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.335, 85.395.

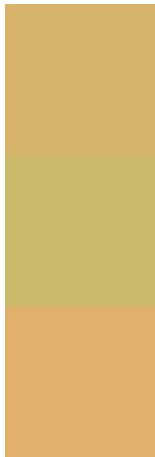


This preview shows how white text looks on a background with the CIELCh color 75, 42.335, 85.395.

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

75, 42.335, 85.395

Protanopia

75, 41.405, 95.537

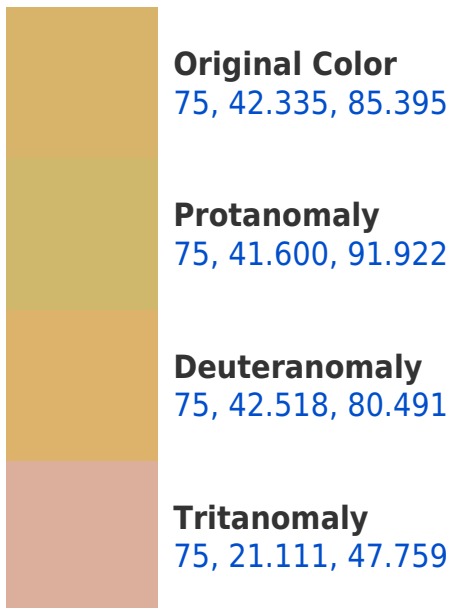
Deuteranopia

75, 43.019, 76.923



Tritanopia
75, 20.624, 1.576

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.335, 85.395 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(215, 180, 106)` looks like.

```
.text, #text, p{  
    color:rgb(215, 180, 106)  
}
```

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(215, 180, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 180, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.335, 85.395 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(215, 180, 106) }
```

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

```
.border{ border-color:rgb(215, 180, 106) }
```

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

Here you see how a box with a 4 pixel rgb(215, 180, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 180, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 180, 106);  
box-shadow:4px 4px 4px 4px rgb(215, 180,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.335, 85.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 180, 106) }
```

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

```
.background{ background-color: rgb(215,  
180, 106) }
```

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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